

16S Barcodes (01-24) Plate

Printing: 18/09/2023	Date of compilation: 18/09/2023	Version: 1
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1	Product identifier:	16S Barcodes (01-24) Plate			
	Other means of identification				
	Non-applicable				
2	Relevant identified uses of the	e substance or mixture and uses advised against:			
	Relevant uses: Research use				
	Uses advised against: All uses not specified in this section or in section 7.3				
.3	Details of the supplier of the safety data sheet:				
	Oxford Nanopore Technologies Gosling Building, Edmund Hall OX4 4DQ Oxford - Oxon - Eng Phone: +44 (0)845 034 7900 - http://www.nanoporetech.com/	ey Road, Oxford Science Park land			
.4	Emergency telephone number	er: +44 (0)845 034 7900 (9am-5:30pm GMT)			

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

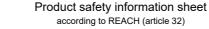
Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet



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SECTION 4: FIRST AID MEASURES (continued)

By eye contact:

Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

By ingestion/aspiration:

In case of consumption in large quantities, it is recommended to seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:



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SEC	TION 7: HANDLING AND STORAGE (continued)
	A General precautions for safe use
	Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions
	It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene
	Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
	D Technical recommendations to prevent environmental risks
	It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2
7.2	Conditions for safe storage, including any incompatibilities:
	A Technical measures for storage
	Maximum time: 12 Months
	B General conditions for storage
	Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5
7.3	Specific end use(s):
	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.
SEC	TION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1	Control parameters:
	Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E	Body protection				



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Printing: 18/09/2023 Date of compilation: 18/09/2023 Version: 1 SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)							
	Pictogram	PPE	Labelling	CEN Standard	Remarks		
		Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.		
F Additional emergency measures							
It is not necessary to take additional emergency measures.							
Env	vironmental expo	sure controls:					

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 ºC:	2350 Pa
Vapour pressure at 50 °C:	12381,01 Pa (12,38 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 °C:	1032,1 kg/m³
Relative density at 20 °C:	1,032
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing i	information property of its hazards.



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPE	RTIES (continued)
	Upper flammab	ility limit:	Non-applicable *
	Particle charac	teristics:	
	Median equival	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information wi	th regard to physical hazard class	es:
	Explosive prope	erties:	Non-applicable *
	Oxidising prope	rties:	Non-applicable *
	Corrosive to me	etals:	Non-applicable *
	Heat of combus	tion:	Non-applicable *
	Aerosols-total p components:	ercentage (by mass) of flammable	Non-applicable *
	Other safety cl	naracteristics:	
	Surface tension	at 20 °C:	Non-applicable *
	Refraction inde	K:	Non-applicable *
	*Not relevant due t	o the nature of the product, not providing info	rmation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

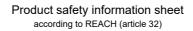
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):



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TION 11: TOXICOLOG	GICAL INFORMATION (continued)				
- Corrosivity/Irritabili	sed on available data, the classification criteri ty: Based on available data, the classification and the eyes (acute effect):				
 Contact with the sk Contact with the ey D- CMR effects (carcino) 	n criteria are not met				
IARC: Non-applicat - Mutagenicity: Base	ased on available data, the classification crite ole ed on available data, the classification criteria ity: Based on available data, the classificatior	are not met			
 Respiratory: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met F- Specific target organ toxicity (STOT) - single exposure: 					
Based on available d	ata, the classification criteria are not met				
G- Specific target organ	toxicity (STOT)-repeated exposure:				
	an toxicity (STOT)-repeated exposure: Based ailable data, the classification criteria are not i	on available data, the classification criteria are not met net			
Based on available d	ata, the classification criteria are not met				
Other information:					
	Non-applicable				
Specific toxicology info	rmation on the substances:				
Not available					
Acute Toxicity Estimate	(ATE mix):				
	ATE mix	Ingredient(s) of unknown toxicity			
Oral	>2000 mg/kg (Calculation method)	Non-applicable			
Dermal	>2000 mg/kg (Calculation method)	Non-applicable			
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable			
Information on other ha	zards:				
	ronarties				
Endocrine disrupting p					
Endocrine disrupting pro	perties: The product fails to meet the criteria.				

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

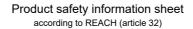
12.1 Toxicity:

Not available

12.2 Persistence and degradability:

Not available

- 12.3 Bioaccumulative potential:
- Not available
- **12.4 Mobility in soil:** Not available
- 12.5 Results of PBT and vPvB assessment:



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SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transpor	rt of dangerous goods by sea:	
With rega	rd to IMDG 40-20:	



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SECTION 14:	TRANSPORT INFORMATION	l (continued)	
14.1	UN number or ID number:	Non-applicable	
14.2	UN proper shipping name:	Non-applicable	
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	
14.5	Marine pollutant:	No	
14.6	Special precautions for user		
	Special regulations:	Non-applicable	
	EmS Codes:		
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Non-applicable	
	Segregation group:	Non-applicable	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	
Transpo	rt of dangerous goods by air:		
With rega	ard to IATA/ICAO 2023:		
14.1	UN number or ID number:	Non-applicable	
14.2	UN proper shipping name:	Non-applicable	
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	
14.5	Environmental hazards:	No	
14.6	Special precautions for user		
	Physico-Chemical properties:	see section 9	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

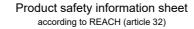
15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).



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Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

Adapter Buffer / Rapid Dilution Buffer

SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
.1	Product identifier: Adapter Buffer / Rapid Dilution Buffer
	Other means of identification:
	ADB, RDB
.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Research use
	Uses advised against: All uses not specified in this section or in section 7.3
1.3	Details of the supplier of the safety data sheet:
	Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England
	Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901
	http://www.nanoporetech.com/
1.4	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)
SEC	CTION 2: HAZARDS IDENTIFICATION
SEC 2.1	CTION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture:
	Classification of the substance or mixture:
	Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008:
2.1	Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.
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3.1 Substance:

NANOPORE

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

* Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

Adapter Buffer / Rapid Dilution Buffer

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rinting:	18/09/2023 Date of compilation: 23/05/2022 Revised: 27/05/2022 Version: 3 (Replaced 2)				
SEC	TION 4: FIRST AID MEASURES (continued)				
	In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,), seek medical advice with this Safety Data Sheet By eye contact:				
	Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.				
By ingestion/aspiration:					
In case of consumption in large quantities, it is recommended to seek medical assistance.					
4.2	Most important symptoms and effects, both acute and delayed:				
	Acute and delayed effects are indicated in sections 2 and 11.				
4.3	Indication of any immediate medical attention and special treatment needed:				
	Non-applicable				
SEC	TION 5: FIREFIGHTING MEASURES				
5.1	Extinguishing media:				
	Suitable extinguishing media:				
	Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,) Unsuitable extinguishing media:				
	Non-applicable				
5.2	Special hazards arising from the substance or mixture:				
	Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.				
5.3	Advice for firefighters:				
	Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,) in accordance with Directive 89/654/EC.				
	Additional provisions:				
	Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.				
SEC	TION 6: ACCIDENTAL RELEASE MEASURES				
6.1	Personal precautions, protective equipment and emergency procedures:				
•	For non-emergency personnel:				
	Isolate leaks provided that there is no additional risk for the people performing this task.				
	For emergency responders:				
	Wear protective equipment. Keep unprotected persons away. See section 8.				
6.2	Wear protective equipment. Keep unprotected persons away. See section 8. Environmental precautions:				
6.2					
6.2 6.3	Environmental precautions:				
	Environmental precautions: This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.				
	Environmental precautions: This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water. Methods and material for containment and cleaning up:				

Adapter Buffer / Rapid Dilution Buffer

NANOPORE

.1	Precautions for safe	handling:					
	A General precautio	ns for safe use					
	Maintain order, cle	urrent legislation concerning eanliness and dispose of usin nendations for the prevention	g safe methods (section 6).	s with regards manually handling weights.			
	products. Consult		materials that should be avoid	tatic charges that could affect flammable ed.			
	Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.						
	D Technical recomm	nendations to prevent environ	mental risks				
	It is not necessary	to take special measures to	prevent environmental risks. Fo	or more information see subsection 6.2			
7.2	Conditions for safe storage, including any incompatibilities:						
	A Technical measures for storage						
	Maximum time:	12 Months					
	B General conditions for storage						
	Avoid sources of h	neat, radiation, static electricit	y and contact with food. For ad	ditional information see subsection 10.5			
7.3	Specific end use(s):						
	Except for the instruct product.	tions already specified it is no	t necessary to provide any spe	cial recommendation regarding the uses of this			
		E CONTROLS/PERSON					

legislation):

There are no applicable occupational exposure limits for the substances contained in the product

8.2 **Exposure controls:**

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E	Body protection				

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TION 8: EXPOSURE CONTROLS/PERS	ONAL PROT	ECTION (continued	(t
Pictogram PPE	Labelling	CEN Standard	Remarks
Work clothing			Replace before any evidence of deterioration periods of prolonged exposure to the produc professional/industrial users CE III is recommended, in accordance with the regula in EN ISO 6529:2013, EN ISO 6530:2005, EI 13688:2013, EN 464:1994.
F Additional emergency measures	1		
It is not necessary to take additional emerge	ency measures	s.	
Environmental exposure controls:			
In accordance with the community legislation fo	r the protection	n of the environment it i	s recommended to avoid environmental
spillage of both the product and its container. For	or additional in	formation see subsection	on 7.1.D
TION 9: PHYSICAL AND CHEMICAL PR	OPERTIES		
Information on basic physical and chemical	properties:		
For complete information see the product datas	heet.		
Appearance:			
Physical state at 20 °C:	Liquid	Ŀ	
Appearance:	Color	less	
Colour:	Colou	urless	
Odour:	Odou	irless	
Odour threshold:	Non-a	applicable *	
Volatility:			
Boiling point at atmospheric pressure:	100 °	С	
Vapour pressure at 20 ºC:	2350	Pa	
Vapour pressure at 50 °C:	1238	1,01 Pa (12,38 kPa)	
Evaporation rate at 20 °C:	Non-a	applicable *	
Product description:			
Density at 20 °C:	1143	,9 kg/m³	
Relative density at 20 °C:	1,144		
Dynamic viscosity at 20 °C:	744,5	59 cP	
Kinematic viscosity at 20 °C:	650,9	91 mm²/s	
Kinematic viscosity at 40 °C:	Non-a	applicable *	
Concentration:	Non-a	applicable *	
pH:	Non-a	applicable *	
Vapour density at 20 °C:	Non-a	applicable *	
Partition coefficient n-octanol/water 20 °C:	Non-a	applicable *	
Solubility in water at 20 °C:	Non-a	applicable *	
Solubility properties:	Com	pletely miscible	
Decomposition temperature:	Non-a	applicable *	
Melting point/freezing point:	Non-a	applicable *	
Flammability:			
Flash Point:		Flammable (>60 °C)	
Flammability (solid, gas):		applicable *	
Autoignition temperature:	Non-a	applicable *	

- CONTINUED ON NEXT PAGE -

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SEC	SECTION 9: PHYSICAL AND CHEMICAL PROPER		RTIES (continued)	
	Upper flammability limit:		Non-applicable *	
	Particle charac	cteristics:		
	Median equivale	ent diameter:	Non-applicable	
9.2	Other informat	ion:		
	Information wi	th regard to physical hazard classe	s:	
	Explosive prope	erties:	Non-applicable *	
Oxidising properties:		Non-applicable *		
Corrosive to metals:		Non-applicable *		
	Heat of combus	stion:	Non-applicable *	
	Aerosols-total p components:	ercentage (by mass) of flammable	Non-applicable *	
Other safety characteristics:				
Surface tension at 20 °C:		Non-applicable *		
	Refraction index	x:	Non-applicable *	
	*Not relevant due te	o the nature of the product, not providing inform	mation property of its hazards.	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
- Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):



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-	: 18/09/2023	Date of compilation		Revised: 27/05/2022	Version: 3 (Replaced 2)							
SEC	SECTION 11: TOXICOLOGICAL INFORMATION (continued)											
 Acute toxicity : Based on available data, the classification criteria are not met Corrosivity/Irritability: Based on available data, the classification criteria are not met Contact with the skin and the eyes (acute effect): Contact with the skin: Based on available data, the classification criteria are not met Contact with the eyes: Based on available data, the classification criteria are not met Contact with the eyes: Based on available data, the classification criteria are not met Contact with the eyes: Based on available data, the classification criteria are not met Contact classification criteria are not met Carcinogenicity: Based on available data, the classification criteria are not met IARC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met 												
								- Skin: Ba	tory: Based on availa ised on available data rget organ toxicity (S	a, the classification		
								Based on a	available data, the cla	assification criteria	are not met	
	G- Specific tar	rget organ toxicity (S	TOT)-repeated exp	posure:								
	 Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met H- Aspiration hazard: Based on available data, the classification criteria are not met 											
	•	available data, the cla	assification criteria	are not met								
	•		assification criteria	are not met								
	Based on a	ation:	assification criteria	are not met								
	Based on a Other informa Non-applicable	ation:										
	Based on a Other informa Non-applicable Specific toxic	ation:										
	Based on a Other informa Non-applicable Specific toxic Not available	ation: e ology information o	on the substances									
	Based on a Other informa Non-applicable Specific toxic Not available	ation:	on the substances									
	Based on a Other informa Non-applicable Specific toxic Not available Acute Toxicit	ation: e ology information o	on the substances x): ATE mix	S:	Ingredient(s) of unknown toxicity							
	Based on a Other informa Non-applicable Specific toxic Not available	ation: e ology information o	on the substances	S: lation method)	Ingredient(s) of unknown toxicity Non-applicable Non-applicable							
	Based on a Other informa Non-applicable Specific toxic Not available Acute Toxicity Oral	ation: e ology information o	on the substances x): ATE mix >2000 mg/kg (Calcu	s: lation method) lation method)	Non-applicable							
11.2	Based on a Other informa Non-applicable Specific toxic Not available Acute Toxicity Oral Dermal Inhalation	ation: e ology information o	on the substances x): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu	s: lation method) lation method)	Non-applicable Non-applicable							
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	Based on a Other informa Non-applicable Specific toxic Not available Acute Toxicity Oral Dermal Inhalation Information o Endocrine-disc Other informa Non-applicable	ation: ology information of y Estimate (ATE mix) n other hazards: srupting properties: The ation	x): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Calcu he product fails to r	S: lation method) lation method) sulation method)	Non-applicable Non-applicable							
SEC	Based on a Other informa Non-applicable Specific toxic Not available Acute Toxicity Oral Dermal Inhalation Information o Endocrine dis Endocrine-disr Other informa Non-applicable	ation: ology information of y Estimate (ATE mix n other hazards: srupting properties: The ation o DLOGICAL INFOR	ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Calcu he product fails to r	S: llation method) llation method) culation method) neet the criteria.	Non-applicable Non-applicable Non-applicable							
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SEC The e	Based on a Other informa Non-applicable Specific toxic Not available Acute Toxicity Oral Dermal Inhalation Information o Endocrine dis Endocrine dis Cother informa Non-applicable TION 12: ECO experimental info	ation: ology information of y Estimate (ATE mixing) n other hazards: srupting properties: The ation of DLOGICAL INFOR promation related to the	ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Calcu he product fails to r	S: llation method) llation method) culation method) neet the criteria.	Non-applicable Non-applicable Non-applicable							
SEC The e 12.1	Based on a Other informa Non-applicable Specific toxic Not available Acute Toxicity Oral Dermal Inhalation Information o Endocrine dis Endocrine dis Cother informa Non-applicable TION 12: ECO experimental info	ation: ology information of y Estimate (ATE mix n other hazards: srupting properties: The ation o DLOGICAL INFOR	ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Calcu he product fails to r	S: llation method) llation method) culation method) neet the criteria.	Non-applicable Non-applicable Non-applicable							
SEC The e 12.1	Based on a Other informa Non-applicable Specific toxic Not available Acute Toxicity Oral Dermal Inhalation Information o Endocrine diss Endocrine diss Endocrine diss Cother informa Non-applicable Experimental info Toxicity: Not available Persistence a	ation: ology information of y Estimate (ATE mixing) n other hazards: srupting properties: The ation b DLOGICAL INFOR mation related to the and degradability:	ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Calcu he product fails to r	S: llation method) llation method) culation method) neet the criteria.	Non-applicable Non-applicable Non-applicable							

- Not available
- **12.4 Mobility in soil:** Not available
- 12.5 Results of PBT and vPvB assessment:

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SEC	SECTION 12: ECOLOGICAL INFORMATION (continued)								
	Product fails to meet PBT/vPvB criteria								
12.6	.6 Endocrine disrupting properties:								
	Endocrine-disrupting properties: The product fails to meet the criteria.								
12.7	12.7 Other adverse effects:								
	Not described								

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). **Transport of dangerous goods by land:**

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transpo	rt of dangerous goods by sea:	
With rega	ard to IMDG 40-20:	

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SECTION 14:	SECTION 14: TRANSPORT INFORMATION (continued)						
14.1	UN number or ID number:						
14.2	UN proper shipping name:	Non-applicable Non-applicable					
14.3	Transport hazard class(es):	Non-applicable					
	Labels:	Non-applicable					
14.4	Packing group:	Non-applicable					
14.5	Marine pollutant:	No					
14.6	Special precautions for user						
	Special regulations:	Non-applicable					
	EmS Codes:						
	Physico-Chemical properties:	see section 9					
	Limited quantities:	Non-applicable					
	Segregation group:	Non-applicable					
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable					
Transpo	rt of dangerous goods by air:						
With rega	ard to IATA/ICAO 2023:						
14.1	UN number or ID number:	Non-applicable					
14.2	UN proper shipping name:	Non-applicable					
14.3	Transport hazard class(es):	Non-applicable					
	Labels:	Non-applicable					
14.4	Packing group:	Non-applicable					
14.5	Environmental hazards:	No					
14.6	Special precautions for user						
	Physico-Chemical properties:	see section 9					
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable					

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: 15.1

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

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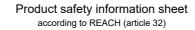
NANOPORE

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SECT	TION 16: OT	HER INFORMATION (continued	l)						
	Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.: COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3): · Removed substances Glycerol (56-81-5)								
	Texts of the legislative phrases mentioned in section 3:								
	The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3 CLP Regulation (EC) No 1272/2008:								
	Non-applicab	le							
	Classificatio Non-applicab	•							
		ed to training:							
		commended in order to prevent industr of this safety data sheet, as well as the		oduct and to facilitate their comprehension and					
	Principal bib	liographical sources:							
	http://echa.eu								
	http://eur-lex.e	· · · · · · · · · · · · · · · · · · ·							
		is and acronyms:							
	ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation								
	BOD5: 5day b	cal Oxygen Demand Diochemical oxygen demand							
	BCF: Bioconc LD50: Lethal	centration factor							
		Concentration 50							
		ve concentration 50							
		tanolwater partition coefficient							
		coefficient of organic carbon							
		ormula identifier							
	IARC: Interna	tional Agency for Research on Cancer	-						

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained are under data sheet is product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF DOCUMENT

Revised: 27/05/2022



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING							
1.1	Product identifier: AMPure XP Beads / SPRI Beads						
	Other means of identification						
	VXP, AXP, SPRI						
1.2	Relevant identified uses of the	substance or mixture and uses advised against:					
	Relevant uses: Research use						
	Uses advised against: All uses	ot specified in this section or in section 7.3					
1.3	Details of the supplier of the safety data sheet:						
	Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/						
1.4							

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

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CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

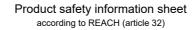
Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet



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SECTION 4: FIRST AID MEASURES (continued)

By eye contact:

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Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

By ingestion/aspiration:

In case of consumption in large quantities, it is recommended to seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

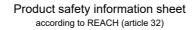
Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:



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SEC	TION 7: HANDLING AND STORAGE (continued)
	A General precautions for safe use
	Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions
	It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene
	Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
	D Technical recommendations to prevent environmental risks
	It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2
7.2	Conditions for safe storage, including any incompatibilities:
	A Technical measures for storage
	Maximum time: 12 Months
	B General conditions for storage
	Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5
7.3	Specific end use(s):
	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.
SEC	TION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1	Control parameters:
	Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific

legislation): There are no applicable occupational exposure limits for the substances contained in the product

8.2 Exposure controls:

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A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E Ē	Body protection				



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CTION 8: EXPOSURE CONTROLS/	PERSONAL PRO	TECTION (continue	d)		
Pictogram PPE	Labelling	CEN Standard	Remarks		
Pictogram PPE	Labelling	CEN Standard	Replace before any evidence of deterioration.		
			periods of prolonged exposure to the product f professional/industrial users CE III is		
Work clothing			recommended, in accordance with the regulation in EN ISO 6529:2013, EN ISO 6530:2005, EN I		
	CALL		13688:2013, EN 464:1994.		
F Additional emergency measures It is not necessary to take additional	omorgonov mogeuro	6			
	emergency measure	3.			
Environmental exposure controls:					
spillage of both the product and its conta			is recommended to avoid environmental on 7.1.D		
CTION 9: PHYSICAL AND CHEMICA	L PROPERTIES				
Information on basic physical and ch					
For complete information see the produc					
Appearance:	datasheet.				
Physical state at 20 °C:	Liqu	id			
Appearance:		rless			
Colour:	-	available			
Odour:		available			
Odour threshold:	Non	-applicable *			
Volatility:					
Boiling point at atmospheric pressure:	100	°C			
Vapour pressure at 20 ºC:	2350	2350 Pa			
Vapour pressure at 50 °C:	1238	31,01 Pa (12,38 kPa)			
Evaporation rate at 20 °C:	Non	-applicable *			
Product description:					
Density at 20 °C:	1032	2,6 kg/m³			
Relative density at 20 °C:	1,03	3			
Dynamic viscosity at 20 °C:	Non	-applicable *			
Kinematic viscosity at 20 °C:	Non	-applicable *			
Kinematic viscosity at 40 °C:		-applicable *			
Concentration:		-applicable *			
pH:		-applicable *			
Vapour density at 20 °C:		-applicable *			
Partition coefficient n-octanol/water 20 %		-applicable *			
Solubility in water at 20 °C:		-applicable *			
Solubility properties:		pletely miscible			
Decomposition temperature:		-applicable *			
Melting point/freezing point:	Non	-applicable *			
Flammability:	K I	Flormatic (> CO (O)			
Flash Point:		Flammable (>60 °C)			
Flammability (solid, gas):		-applicable *			
Autoignition temperature: Lower flammability limit:		-applicable * -applicable *			



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SEC	TION 9: PHYS	SICAL AND CHEMICAL PROPER	RTIES (continued)
	Upper flammat	pility limit:	Non-applicable *
	Particle characteristics:		
	Median equiva	lent diameter:	Non-applicable
9.2	Other informa	tion:	
	Information w	ith regard to physical hazard classes	s:
	Explosive prop	erties:	Non-applicable *
	Oxidising properties: Corrosive to metals:		Non-applicable *
			Non-applicable *
	Heat of combu	stion:	Non-applicable *
	Aerosols-total components:	percentage (by mass) of flammable	Non-applicable *
	Other safety c	haracteristics:	
	Surface tension	n at 20 ºC:	Non-applicable *
	Refraction inde	ex:	Non-applicable *
	*Not relevant due	to the nature of the product, not providing inform	nation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):

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ng: 18/09/2023	Date of compilation: 24/01/2022 Version: 1					
CTION 11: TO	XICOLOGICAL INFORMATION (continued)					
- Corrosiv	xicity :Based on available data, the classification criteria are not met /ity/Irritability: Based on available data, the classification criteria are not met th the skin and the eyes (acute effect):					
- Contact	with the skin: Based on available data, the classification criteria are not met with the eyes: Based on available data, the classification criteria are not met ts (carcinogenicity, mutagenicity and toxicity to reproduction):					
IARC: No - Mutager - Reprodu	 Carcinogenicity: Based on available data, the classification criteria are not met IARC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met E- Sensitizing effects: 					
- Skin: Ba	tory: Based on available data, the classification criteria are not met ased on available data, the classification criteria are not met rget organ toxicity (STOT) - single exposure:					
Based on a	available data, the classification criteria are not met					
G- Specific ta	rget organ toxicity (STOT)-repeated exposure:					
	target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met ased on available data, the classification criteria are not met hazard:					
Based on a	available data, the classification criteria are not met					
Other informa	ation:					
Non-applicable	Non-applicable					
	cology information on the substances:					
Not available						
NOL AVAIIADIE						
Acute Toxicity	y Estimate (ATE mix):					
	ATE mix Ingredient(s) of unknown toxicity					
Oral	>2000 mg/kg (Calculation method) Non-applicable					
Dermal	>2000 mg/kg (Calculation method) Non-applicable					
Inhalation	>20 mg/L (4 h) (Calculation method) Non-applicable					
Endocrine dis	on other hazards: srupting properties rupting properties: The product fails to meet the criteria.					
Other informa						

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Not available

12.2 Persistence and degradability:

Not available

- 12.3 Bioaccumulative potential:
- Not available
- **12.4 Mobility in soil:** Not available
- 12.5 Results of PBT and vPvB assessment:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transpo	rt of dangerous goods by sea:	
With rega	ard to IMDG 40-20:	



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SECTION 14:	FRANSPORT INFORMATION	l (continued)	
14.1	UN number or ID number:	Non-applicable	
14.2	UN proper shipping name:	Non-applicable	
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	
14.5	Marine pollutant:	No	
14.6	Special precautions for user		
	Special regulations:	Non-applicable	
	EmS Codes:		
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Non-applicable	
	Segregation group:	Non-applicable	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	
Transpo	rt of dangerous goods by air:		
With rega	rd to IATA/ICAO 2023:		
14.1	UN number or ID number:	Non-applicable	
14.2	UN proper shipping name:	Non-applicable	
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	
14.5	Environmental hazards:	No	
14.6	Special precautions for user		
	Physico-Chemical properties:	see section 9	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: 15.1

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product

Other legislation:

The product could be affected by sectorial legislation

Chemical safety assessment: 15.2

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

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SECTION 16: OTH	HER INFORMATION (continued)	
Non-applicable Texts of the l e The phrases ir individual com	e egislative phrases mentioned in section ndicated do not refer to the product itself ponents which appear in section 3 on (EC) No 1272/2008:	theet which concerns the ways of managing risks.: on 3: ; they are present merely for informative purposes and refer to the
Classification Non-applicable Advice relate Training is rec	n procedure: e d to training:	risks for staff using this product and to facilitate their comprehension and abel on the product.
http://echa.eur http://eur-lex.e	uropa.eu	
ADR: Europea IMDG: Interna IATA: Internati ICAO: Internati	s and acronyms: an agreement concerning the internationa tional maritime dangerous goods code onal Air Transport Association tional Civil Aviation Organisation	al carriage of dangerous goods by road
BOD5: 5day b BCF: Bioconce LD50: Lethal I LC50: Lethal 0	al Oxygen Demand iochemical oxygen demand entration factor Dose 50 Concentration 50 e concentration 50	
Koc: Partition UFI: unique fo	anolwater partition coefficient coefficient of organic carbon rmula identifier ional Agency for Research on Cancer	

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF DOCUMENT

EDTA

-	
SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
.1	Product identifier: EDTA
	Other means of identification:
	EDTA
1.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Research use
	Uses advised against: All uses not specified in this section or in section 7.3
1.3	Details of the supplier of the safety data sheet:
	Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901
1.4	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)
1.4	http://www.nanoporetech.com/
	http://www.nanoporetech.com/
	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)
SEC	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) TION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture:
SEC	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)
SEC 2.1	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) CTION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008:
SEC	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) TION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.
SEC 2.1	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) TION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. Label elements:
SEC 2.1	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) TION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. Label elements: CLP Regulation (EC) No 1272/2008:
SEC 2.1	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) TION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. Label elements: CLP Regulation (EC) No 1272/2008: Hazard statements:
SEC 2.1	http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) TION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. Label elements: CLP Regulation (EC) No 1272/2008: Hazard statements: Non-applicable

EUH210: Safety data sheet available on request.

2.3 Other hazards:

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Product fails to meet PBT/vPvB criteria Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification Chemical name/Classification		Concentration		
CAS: 60-00-4 EC: 200-449-4 Index: 607-429-00-8 REACH: 01-2119486399-18- XXXX		edetic acid 1	ATP ATP01		
		Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	1 - <10 %	
¹ Subs	¹ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878				
To obta	ain more informati	on on the hazards o	f the substances consult sections 11, 12 and 16.		

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SECTION 4: FIRST AID MEASURES

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4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product. **By inhalation:**

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

In case of consumption, seek immediate medical assistance showing the SDS for the product.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

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Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

EDTA

	JRE CON	TROLS/PERS	SONAL PRO	TECTION (continued)	
Pictogram		PPE	Labelling	CEN Standard		Remarks
Mandatory hand protection	(Mat Breakthro	protective gloves terial: Nitrile, bugh time: 10 - 30 min)		EN ISO 21420:2020	Repla	ce the gloves at any sign of deteriorati
		of several subs			erial can	not be calculated in advance w
D Eye and face p						
Pictogram		PPE	Labelling	CEN Standard		Remarks
Mandatory face protection	splas	ic glasses against h/projections.	CAT II	EN 166:2002 EN ISO 4007:2018		daily and disinfect periodically accordin anufacturer's instructions. Use if there risk of splashing.
E Body protection	n					
Pictogram		PPE	Labelling	CEN Standard	Replac	Remarks e before any evidence of deterioration
	Wo	ork clothing	CATI		period recomr	s of prolonged exposure to the produc professional/industrial users CE III is nended, in accordance with the regula SO 6529:2013, EN ISO 6530:2005, EN 13688:2013, EN 464:1994.
F Additional eme	ergency mea	sures				
_	magaura	St	andards	Emergency meas	sure	Standards
Emergency	measure			Lineigeney meas		
Emergency	1	ANS	SI Z358-1 11, ISO 3864-4:20	•	7	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:201
Emergency Environmental ex In accordance with spillage of both the	shower cposure cor the commu product and	ANS ISO 3864-1:20 htrols: Inity legislation f d its container. F	SI Z358-1 11, ISO 3864-4:20 For the protectio For additional ir	11 Eyewash station	ns s recomn	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:201
Emergency Environmental ex In accordance with spillage of both the	shower cposure cor the commu product and	ANS ISO 3864-1:20 htrols: Inity legislation f d its container. F	SI Z358-1 11, ISO 3864-4:20 For the protectio For additional ir	11 Eyewash station	ns s recomn	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:201
Emergency Environmental ex In accordance with spillage of both the	shower cposure cor the commu product and AL AND C	ANS ISO 3864-1:20 Introls: Inity legislation f d its container. F CHEMICAL PF	SI Z358-1 11, ISO 3864-4:20 For the protectio For additional ir	11 Eyewash station	ns s recomn	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:201
Emergency Environmental ex In accordance with spillage of both the	shower cposure cor the commu product and AL AND C asic physica	ANS ISO 3864-1:20 Introls: Inity legislation f d its container. F CHEMICAL PF al and chemica	SI Z358-1 11, ISO 3864-4:20 For the protectio For additional ir ROPERTIES	11 Eyewash station	ns s recomn	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:201
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Density at 20 °C:

Relative density at 20 °C:

Dynamic viscosity at 20 °C:

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1,017

*Not relevant due to the nature of the product, not providing information property of its hazards.

1,21 cP

1017,1 kg/m³

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SEC	TION 9: PHYS	SICAL AND CHEMICAL PROPER	RTIES (continued)
	Kinematic visco	osity at 20 °C:	1,19 mm²/s
	Kinematic visco	osity at 40 °C:	Non-applicable *
	Concentration:		Non-applicable *
	pH:		Non-applicable *
	Vapour density	at 20 ºC:	Non-applicable *
	Partition coeffic	ient n-octanol/water 20 ⁰C:	Non-applicable *
	Solubility in wat	ter at 20 °C:	Non-applicable *
	Solubility prope	erties:	Completely miscible
	Decomposition	temperature:	Non-applicable *
	Melting point/fre	eezing point:	Non-applicable *
	Flammability:		
	Flash Point:		Non Flammable (>60 °C)
	Flammability (s	olid, gas):	Non-applicable *
	Autoignition ten	nperature:	Non-applicable *
	Lower flammab	ility limit:	Non-applicable *
	Upper flammab	ility limit:	Non-applicable *
	Particle charac	cteristics:	
	Median equival	ent diameter:	Non-applicable
9.2	Other information	tion:	
	Information wi	ith regard to physical hazard classes	
	Explosive prope	erties:	Non-applicable *
	Oxidising prope	erties:	Non-applicable *
	Corrosive to me	etals:	Non-applicable *
	Heat of combus	stion:	Non-applicable *
	Aerosols-total p components:	percentage (by mass) of flammable	Non-applicable *
	Other safety c	haracteristics:	
	Surface tensior	n at 20 °C:	Non-applicable *
	Refraction inde	x:	Non-applicable *
	*Not relevant due t	to the nature of the product, not providing inform	nation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
10.5	Incompatible materials:				

	Oxidising materials	Combustible materials	Others
Avoid strong acids Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.6 Hazardous decomposition products:

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See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3.
 - Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
 - IARC: Non-applicable
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as
 - hazardous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

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ION 11: TOXICOLOGICAL INFORMATION (continued)			
Identification	Acu	te toxicity	Genus
edetic acid	LD50 oral	2581 mg/kg	Rat
CAS: 60-00-4	LD50 dermal	Non-applicable	
EC: 200-449-4	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

	Ingredient(s) of unknown toxicity	
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
edetic acid	LC50	41 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 60-00-4	EC50	610 mg/L (24 h)	Daphnia magna	Crustacean
EC: 200-449-4	EC50	1,01 mg/L (72 h)	Scenedesmus subspicatus	Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
edetic acid	NOEC	25,7 mg/L	Danio rerio	Fish
CAS: 60-00-4 EC: 200-449-4	NOEC	25 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential		
edetic acid	BCF	13	
CAS: 60-00-4	Pow Log	-3.34	
EC: 200-449-4	Potential	Low	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volat	lity
edetic acid	Кос	1046	Henry	0E+0 Pa⋅m³/mol
CAS: 60-00-4	Conclusion	Low	Dry soil	No
EC: 200-449-4	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

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Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk	Non-applicable
_	according to IMO instruments:	
Transpo	rt of dangerous goods by sea:	
With rega	rd to IMDG 40-20:	
14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Marine pollutant:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	EmS Codes:	
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
	Segregation group:	Non-applicable
14.7	Maritime transport in bulk	Non-applicable
	according to IMO instruments:	
Transpo	rt of dangerous goods by air:	
With rega	rd to IATA/ICAO 2023:	
0		

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SECTION 14: TRANSPORT INFORMATION (continued)		
14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Physico-Chemical properties:	see section 9
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.: Non-applicable

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Eye Irrit. 2: H319 - Causes serious eye irritation.

Classification procedure:

Non-applicable

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu

http://eur-lex.europa.eu

Abbreviations and acronyms:

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ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 LogPOW: Octanolwater partition coefficient Koc: Partition coefficient of organic carbon UFI: unique formula identifier IARC: International Agency for Research on Cancer

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained in this safety data sheet is product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF DOCUMENT



Elution Buffer

SEC	CTION 1: IDENTIFICATION OF TH	HE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
.1	Product identifier:	Elution Buffer
	Other means of identification:	
	VEB, EB, ELB, VELB	
.2	Relevant identified uses of the subs	ostance or mixture and uses advised against:
	Relevant uses: Research use	
	Uses advised against: All uses not sp	pecified in this section or in section 7.3
1.3	Details of the supplier of the safety	y data sheet:
	Oxford Nanopore Technologies Gosling Building, Edmund Halley Roa OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +4 http://www.nanoporetech.com/	
.4		44 (0)845 034 7900 (9am-5:30pm GMT)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet



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SECTION 4: FIRST AID MEASURES (continued)

By eye contact:

Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

By ingestion/aspiration:

In case of consumption in large quantities, it is recommended to seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

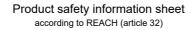
Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:



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SEC	TION 7: HANDLING AND STORAGE (continued)
	 A General precautions for safe use Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions
	It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene
	Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
	D Technical recommendations to prevent environmental risks
	It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2
7.2	Conditions for safe storage, including any incompatibilities:
	A Technical measures for storage
	Maximum time: 12 Months
	B General conditions for storage
	Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5
7.3	Specific end use(s):
	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.
SEC	TION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1	Control parameters:
	Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
	There are no applicable occupational exposure limits for the substances contained in the product
0 2	Experience controlog

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E Bo	dy protection				

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	Pictogram	PPE	Labelling	CEN Standard	Remarks
		Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
F-	Additional emerge	ency measures	CATI		in EN ISO 6529:2013, EN ISO 6530:2005, EN IS

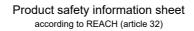
In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Not available
Odour:	Not available
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2350 Pa
Vapour pressure at 50 °C:	12381,01 Pa (12,38 kPa)
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	1034 kg/m³
Relative density at 20 °C:	1,034
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Completely miscible
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing informa	tion property of its hazards.



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPE	RTIES (continued)
	Upper flammabi	ility limit:	Non-applicable *
	Particle charac	teristics:	
	Median equivale	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information wit	th regard to physical hazard classe	s:
	Explosive prope	erties:	Non-applicable *
	Oxidising prope	rties:	Non-applicable *
	Corrosive to me	etals:	Non-applicable *
	Heat of combus	tion:	Non-applicable *
	Aerosols-total p components:	ercentage (by mass) of flammable	Non-applicable *
	Other safety ch	naracteristics:	
	Surface tension	at 20 °C:	Non-applicable *
	Refraction index	K:	Non-applicable *
	*Not relevant due to	o the nature of the product, not providing inform	mation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

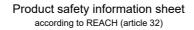
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):





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inting:	18/09/2023 Date	e of compilation: 24/01/2022 Version: 1	
SEC	TION 11: TOXICOLO	OGICAL INFORMATION (continued)	
	 Corrosivity/Irrital 	Based on available data, the classification criteria are n bility: Based on available data, the classification criteria kin and the eyes (acute effect):	
	- Contact with the	e skin: Based on available data, the classification criteria e eyes: Based on available data, the classification criteri nogenicity, mutagenicity and toxicity to reproduction):	
	IARC: Non-applic - Mutagenicity: Ba	ased on available data, the classification criteria are not xicity: Based on available data, the classification criteria	t met
	 Skin: Based on a 	sed on available data, the classification criteria are not r available data, the classification criteria are not met an toxicity (STOT) - single exposure:	met
	Based on available	e data, the classification criteria are not met	
	G- Specific target orga	an toxicity (STOT)-repeated exposure:	
		rgan toxicity (STOT)-repeated exposure: Based on ava available data, the classification criteria are not met	ailable data, the classification criteria are not met
	Based on available	e data, the classification criteria are not met	
		· · · · · · · · · · · · · · · · · · ·	
	Other information:		
	Other information:		
	Other information: Non-applicable		
	Other information: Non-applicable	nformation on the substances:	
	Other information: Non-applicable		
	Other information: Non-applicable Specific toxicology ir	nformation on the substances:	
	Other information: Non-applicable Specific toxicology in Not available	nformation on the substances:	Ingredient(s) of unknown toxicity
	Other information: Non-applicable Specific toxicology in Not available	nformation on the substances: ate (ATE mix):	Ingredient(s) of unknown toxicity Non-applicable
	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estimat Oral Dermal	ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method)	Non-applicable Non-applicable
	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estimat Oral Dermal Inhalation	ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method)	Non-applicable
11.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral Dermal Inhalation Information on other	hformation on the substances: ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards:	Non-applicable Non-applicable
11.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting	ATE mix ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties	Non-applicable Non-applicable
11.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting	hformation on the substances: ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards:	Non-applicable Non-applicable
11.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting	ATE mix ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties	Non-applicable Non-applicable
11.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral Dermal Inhalation Information on other Endocrine disrupting	ATE mix ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties	Non-applicable Non-applicable
11.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral Dermal Inhalation Information on other Endocrine disrupting p Other information	ATE mix ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties	Non-applicable Non-applicable
	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine-disrupting p Other information Non-applicable	ATE mix ATE mix ATE mix 2000 mg/kg (Calculation method) 2000 mg/kg (Calculation method) 2000 mg/L (4 h) (Calculation method) hazards: properties properties: The product fails to meet the criteria.	Non-applicable Non-applicable
SEC	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable	hformation on the substances: ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties properties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable
SEC ⁻	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable	ATE mix ATE mix ATE mix 2000 mg/kg (Calculation method) 2000 mg/kg (Calculation method) 2000 mg/L (4 h) (Calculation method) hazards: properties properties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable
SEC	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting Endocrine-disrupting p Other information Non-applicable	hformation on the substances: ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties properties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable
SEC ⁻ The e: 12.1	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral Dermal Inhalation Information on other Endocrine-disrupting p Other information Non-applicable TION 12: ECOLOGIO	Information on the substances: ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties properties: The product fails to meet the criteria. CAL INFORMATION related to the eco-toxicological properties of the product	Non-applicable Non-applicable Non-applicable
SEC ⁻ The e: 12.1	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable TION 12: ECOLOGI experimental information Toxicity: Not available Persistence and degr	Information on the substances: ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties properties: The product fails to meet the criteria. CAL INFORMATION related to the eco-toxicological properties of the product	Non-applicable Non-applicable Non-applicable
SEC ⁻	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable TION 12: ECOLOGIO experimental information Toxicity: Not available Persistence and degr Not available	nformation on the substances: ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties properties: The product fails to meet the criteria. CAL INFORMATION related to the eco-toxicological properties of the product radability:	Non-applicable Non-applicable Non-applicable
SEC ⁻ The e: 12.1	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable TION 12: ECOLOGI experimental information Toxicity: Not available Persistence and degr	nformation on the substances: ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties properties: The product fails to meet the criteria. CAL INFORMATION related to the eco-toxicological properties of the product radability:	Non-applicable Non-applicable Non-applicable
SEC The e: 12.1 12.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable TION 12: ECOLOGIO experimental information Toxicity: Not available Persistence and degr Not available	nformation on the substances: ate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties properties: The product fails to meet the criteria. CAL INFORMATION related to the eco-toxicological properties of the product radability:	Non-applicable Non-applicable Non-applicable

Not available

12.5 Results of PBT and vPvB assessment:



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SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transpo	rt of dangerous goods by sea:	
With rega	ard to IMDG 40-20:	



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SECTION 14:	TRANSPORT INFORMATION	l (continued)	
14.1	UN number or ID number:	Non-applicable	
14.2	UN proper shipping name:	Non-applicable	
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	3
14.5	Marine pollutant:	No	
14.6	Special precautions for user		
	Special regulations:	Non-applicable	3
	EmS Codes:		
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Non-applicable	
	Segregation group:	Non-applicable	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	3
Transpo	rt of dangerous goods by air:		
With rega	ard to IATA/ICAO 2023:		
14.1	UN number or ID number:	Non-applicable	e
14.2	UN proper shipping name:	Non-applicable	e
14.3	Transport hazard class(es):	Non-applicable	e
	Labels:	Non-applicable	e
14.4	Packing group:	Non-applicable	9
14.5	Environmental hazards:	No	
14.6	Special precautions for user		
	Physico-Chemical properties:	see section 9	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	Э

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

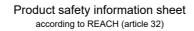


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SEC	TION 16: OT	HER INFORMATION (continued)	
	Modifications	s related to the previous Safety Data S	Sheet which concerns the ways of managing risks.:
	Non-applicabl	e	
	Texts of the I	egislative phrases mentioned in secti	on 3:
	The phrases in	ndicated do not refer to the product itself	f; they are present merely for informative purposes and refer to the
		ponents which appear in section 3	
	CLP Regulati	ion (EC) No 1272/2008:	
	Non-applicabl	e	
	Classification	n procedure:	
	Non-applicabl	e	
	Advice relate	d to training:	
		commended in order to prevent industrial of this safety data sheet, as well as the la	l risks for staff using this product and to facilitate their comprehension and abel on the product.
	Principal bibl	liographical sources:	
	http://echa.eu	ropa.eu	
	http://eur-lex.e	europa.eu	
	Abbreviation	s and acronyms:	
	ADR: Europea	an agreement concerning the internation	al carriage of dangerous goods by road
		tional maritime dangerous goods code	
		ional Air Transport Association	
1		tional Civil Aviation Organisation	
		al Oxygen Demand	
		viochemical oxygen demand entration factor	
	LD50: Lethal I		
		Concentration 50	
		e concentration 50	
		anolwater partition coefficient	
	•	coefficient of organic carbon	
		ormula identifier	
	IARC: Internat	tional Agency for Research on Cancer	

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF DOCUMENT



Flow Cell Flush

	Due du et identifie u	Flow Cell Flush			
.1	Product identifier:	Flow Cell Flush			
	Other means of identification:				
	FCF				
1.2	Relevant identified uses of the substance or mixture and uses advised against:				
	Relevant uses: Research use				
	Uses advised against: All uses not specified in this section or in section 7.3				
1.3	Details of the supplier of the safet	y data sheet:			
	Oxford Nanopore Technologies				
	Gosling Building, Edmund Halley Ro	ad, Oxford Science Park			
	OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: ·	+44 (0)845 034 7901			
	http://www.nanoporetech.com/				
1.4	Emergency telephone number: +	44 (0)845 034 7900 (9am-5:30pm GMT)			

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

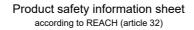
Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet



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SECTION 4: FIRST AID MEASURES (continued)

By eye contact:

Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

By ingestion/aspiration:

In case of consumption in large quantities, it is recommended to seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

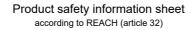
Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:



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SEC	TION 7: HAND	DLING AND STORAGE (continued)						
	A General pre	ecautions for safe use						
	Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions							
	products. C	nended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable consult section 10 for conditions and materials that should be avoided. ecommendations on general occupational hygiene						
	Do not eat o	or drink during the process, washing hands afterwards with suitable cleaning products.						
	D Technical re	ecommendations to prevent environmental risks						
	It is not nec	essary to take special measures to prevent environmental risks. For more information see subsection 6.2						
7.2	Conditions for	r safe storage, including any incompatibilities:						
	A Technical m	neasures for storage						
	Maximum ti	ime: 12 Months						
	B General cor	nditions for storage						
	Avoid sourc	ces of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5						
7.3	Specific end u	ise(s):						
	Except for the in product.	nstructions already specified it is not necessary to provide any special recommendation regarding the uses of this						
SEC	TION 8: EXPO	OSURE CONTROLS/PERSONAL PROTECTION						
8.1	Control param	ieters:						
	Substances whe legislation):	nose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific pplicable occupational exposure limits for the substances contained in the product						

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E	Body protection				



Flow Cell Flush

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)							
	Pictogram	PPE	Labelling	CEN Standard	Remarks		
		Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.		
F Additional emergency measures							

It is not necessary to take additional emergency measures.

Environmental exposure controls:

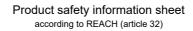
In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2350 Pa
Vapour pressure at 50 °C:	12381,01 Pa (12,38 kPa)
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	1068,5 kg/m ³
Relative density at 20 °C:	1,068
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing informa	ation property of its hazards.



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPER	RTIES (continued)
	Upper flammab	ility limit:	Non-applicable *
	Particle charac	cteristics:	
	Median equivalent diameter:		Non-applicable
9.2	Other informat	tion:	
	Information wi	th regard to physical hazard classe	s:
	Explosive properties:		Non-applicable *
	Oxidising prope	erties:	Non-applicable *
	Corrosive to me	etals:	Non-applicable *
	Heat of combustion:		Non-applicable *
	Aerosols-total p components:	ercentage (by mass) of flammable	Non-applicable *
	Other safety cl	haracteristics:	
	Surface tension at 20 °C:		Non-applicable *
	Refraction inde	x:	Non-applicable *
	*Not relevant due t	o the nature of the product, not providing inform	mation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

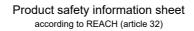
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):





Flow Cell Flush

	: 18/09/2023 Date	e of compilation: 22/06/2022 Version: 1				
SEC	TION 11: TOXICOLO	OGICAL INFORMATION (continued)				
	- Corrosivity/Irrital	Based on available data, the classification criteria an bility: Based on available data, the classification crite kin and the eyes (acute effect):				
	 Contact with the 	e skin: Based on available data, the classification crite e eyes: Based on available data, the classification crit inogenicity, mutagenicity and toxicity to reproduction)	teria are not met			
	IARC: Non-applie - Mutagenicity: Ba	ased on available data, the classification criteria are ixicity: Based on available data, the classification crite	not met			
	 Skin: Based on a 	sed on available data, the classification criteria are n available data, the classification criteria are not met an toxicity (STOT) - single exposure:	ot met			
	Based on available	e data, the classification criteria are not met				
	G- Specific target orga	an toxicity (STOT)-repeated exposure:				
	 Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met H- Aspiration hazard: 					
	Based on available	e data, the classification criteria are not met				
	Other information:					
	Other information:					
	Non-applicable	nformation on the substances:				
	Non-applicable Specific toxicology in	nformation on the substances:				
	Non-applicable	nformation on the substances:				
	Non-applicable Specific toxicology in					
	Non-applicable Specific toxicology ir Not available		Ingredient(s) of unknown toxicity			
	Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral	ATE mix >2000 mg/kg (Calculation method)	Non-applicable			
	Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method)	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method)	Non-applicable			
1.2	Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards:	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: g properties	Non-applicable Non-applicable			
11.2	Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral Dermal Inhalation Information on other Endocrine disrupting p	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards:	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting p Other information	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: g properties	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral Dermal Inhalation Information on other Endocrine disrupting p	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: g properties	Non-applicable Non-applicable			
	Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable	hate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) >20 mg/L (4 h) (Calculation method) >20 mg/L is to meet the criteria.	Non-applicable Non-applicable			
	Non-applicable Specific toxicology in Not available Acute Toxicity Estima Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: g properties	Non-applicable Non-applicable			
SEC.	Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable TION 12: ECOLOGI	hate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) >20 mg/L (4 h) (Calculation method) >20 mg/L is to meet the criteria.	Non-applicable Non-applicable			
	Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable TION 12: ECOLOGI	hate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) >20 mg/L (4 h) (Calculation method) r hazards: op properties properties: The product fails to meet the criteria.	Non-applicable Non-applicable			
SEC [®]	Non-applicable Specific toxicology in Not available Acute Toxicity Estimation Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable TION 12: ECOLOGI experimental information	hate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) >20 mg/L (4 h) (Calculation method) r hazards: op properties properties: The product fails to meet the criteria.	Non-applicable Non-applicable			
SEC The e: I2.1	Non-applicable Specific toxicology in Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other Endocrine disrupting p Other information Non-applicable TION 12: ECOLOGI experimental information Toxicity:	hate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) * hazards: g properties properties: The product fails to meet the criteria. CAL INFORMATION related to the eco-toxicological properties of the product	Non-applicable Non-applicable			
SEC The ei	Non-applicable Specific toxicology in Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other Endocrine disrupting procession Other information Non-applicable TION 12: ECOLOGI experimental information Toxicity: Not available	hate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) * hazards: g properties properties: The product fails to meet the criteria. CAL INFORMATION related to the eco-toxicological properties of the product	Non-applicable Non-applicable			

- Not available
- **12.4 Mobility in soil:** Not available
- 12.5 Results of PBT and vPvB assessment:



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SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable				
14.2	UN proper shipping name:	Non-applicable				
14.3	Transport hazard class(es):	Non-applicable				
	Labels:	Non-applicable				
14.4	Packing group:	Non-applicable				
14.5	Environmental hazards:	No				
14.6	Special precautions for user					
	Special regulations:	Non-applicable				
	Tunnel restriction code:	Non-applicable				
	Physico-Chemical properties:	see section 9				
	Limited quantities:	Non-applicable				
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable				
Transpo	Transport of dangerous goods by sea:					
With rega	ard to IMDG 40-20:					



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SECTION 14:	TRANSPORT INFORMATION	l (continued)	
14.1	UN number or ID number:	Non-applicable	e
14.2	UN proper shipping name:	Non-applicable	e
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	e
14.5	Marine pollutant:	No	
14.6	Special precautions for user		
	Special regulations:	Non-applicable	e
	EmS Codes:		
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Non-applicable	e
	Segregation group:	Non-applicable	e
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	e
Transpo	rt of dangerous goods by air:		
With rega	ard to IATA/ICAO 2023:		
14.1	UN number or ID number:	Non-applicable	e
14.2	UN proper shipping name:	Non-applicable	e
14.3	Transport hazard class(es):	Non-applicable	e
	Labels:	Non-applicable	e
14.4	Packing group:	Non-applicable	e
14.5	Environmental hazards:	No	
14.6	Special precautions for user		
	Physico-Chemical properties:	see section 9	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	e

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).



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	HER INFORMATION (continued)	
		Sheet which concerns the ways of managing risks.:
Non-applicable		
	egislative phrases mentioned in sect	
		f; they are present merely for informative purposes and refer to the
	ponents which appear in section 3	
CLP Regulation	on (EC) No 1272/2008:	
Non-applicable		
Classification	procedure:	
Non-applicable	9	
Advice relate	d to training:	
	ommended in order to prevent industria of this safety data sheet, as well as the l	I risks for staff using this product and to facilitate their comprehension and label on the product.
Principal bibl	iographical sources:	
http://echa.eur	opa.eu	
http://eur-lex.e	uropa.eu	
Abbreviations	s and acronyms:	
ADR: Europea	n agreement concerning the internation	al carriage of dangerous goods by road
	tional maritime dangerous goods code	
	onal Air Transport Association	
	ional Civil Aviation Organisation	
	al Oxygen Demand	
	iochemical oxygen demand entration factor	
LD50: Lethal D		
	Concentration 50	
	e concentration 50	
	anolwater partition coefficient	
	coefficient of organic carbon	
	rmula identifier	
IARC: Internat	ional Agency for Research on Cancer	

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF DOCUMENT

Flowcell (Flush) Tether / Priming Tether

Printing	: 18/09/2023 Date of compilation: 14/03/2022 Version: 1
SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: Flowcell (Flush) Tether / Priming Tether
	Other means of identification:
	FLT, PT, FT, FCT
1.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Research use
	Uses advised against: All uses not specified in this section or in section 7.3
1.3	Details of the supplier of the safety data sheet:
	Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/
1.4	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)
SEC	CTION 2: HAZARDS IDENTIFICATION
2.1	Classification of the substance or mixture:
	CLP Regulation (EC) No 1272/2008:
	The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

NANOPORE

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

Flowcell (Flush) Tether / Priming Tether

Printing:	18/09/2023 Date of compilation: 14/03/2022 Version: 1
SEC	TION 4: FIRST AID MEASURES (continued)
	By eye contact:
	Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.
	By ingestion/aspiration:
	In case of consumption in large quantities, it is recommended to seek medical assistance.
4.2	Most important symptoms and effects, both acute and delayed:
	Acute and delayed effects are indicated in sections 2 and 11.
4.3	Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:



Flowcell (Flush) Tether / Priming Tether

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SEC	TION 7: HANDLING AND STORAGE (continued)				
	A General precautions for safe use				
	Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions				
	It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene				
	Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.				
	D Technical recommendations to prevent environmental risks				
	It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2				
7.2	Conditions for safe storage, including any incompatibilities:				
	A Technical measures for storage				
	Maximum time: 12 Months				
	B General conditions for storage				
	Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5				
7.3	Specific end use(s):				
	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.				
SEC	TION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION				
8.1	Control parameters:				
	Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):				
	There are no applicable occupational exposure limits for the substances contained in the product				

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E	Body protection				



Flowcell (Flush) Tether / Priming Tether

Work clothing Work clothing periods of prolonged exposure to the production professional/industrial users CE III is recommended, in accordance with the regulation in EN ISO 6529:2013, EN ISO 6530:2005, El 13688:2013, EN 464:1994. F Additional emergency measures It is not necessary to take additional emergency measures. Environmental exposure controls: In accordance with the community legislation for the protection of the environment it is recommended to avoid environmentat spillage of both the product and its container. For additional information see subsection 7.1.D	Image: Constraint of the second sec	CTION 8: EXPOSURE	CONTROLS/PER	SONAL PROT	ECTION (continued	d)
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	Flammability (solid, gas): Non-applicable *	-		Non	lammable (>60 °C)	
			s).			
Autoignition temperature: Non-applicable *						

*Not relevant due to the nature of the product, not providing information property of its hazards.



Flowcell (Flush) Tether / Priming Tether

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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPER	RTIES (continued)	
	Upper flammab	ility limit:	Non-applicable *	
	Particle charac	teristics:		
	Median equivale	ent diameter:	Non-applicable	
9.2	Other informat	ion:		
	Information wi	th regard to physical hazard classes	s:	
	Explosive prope	erties:	Non-applicable *	
	Oxidising properties:		Non-applicable *	
	Corrosive to metals:		Non-applicable *	
	Heat of combustion:		Non-applicable *	
	Aerosols-total percentage (by mass) of flammable components:		Non-applicable *	
	Other safety characteristics:			
	Surface tension at 20 °C:		Non-applicable *	
	Refraction index	K:	Non-applicable *	
	*Not relevant due te	o the nature of the product, not providing inform	nation property of its hazards.	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):



Flowcell (Flush) Tether / Priming Tether

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SECT	FION 11: TO	KICOLOGICAL IN	NFORMATION (continued)			
	- Corrosiv		on available data,	assification criteria are the classification criter			
	 Contact with the skin: Based on available data, the classification criteria are not met Contact with the eyes: Based on available data, the classification criteria are not met CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction): 						
	 Carcinogenicity: Based on available data, the classification criteria are not met IARC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met E- Sensitizing effects: 						
	- Skin: Ba		ta, the classification	sification criteria are no n criteria are not met osure:	ot met		
	Based on available data, the classification criteria are not met						
	G- Specific target organ toxicity (STOT)-repeated exposure:						
	 Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met H- Aspiration hazard: Based on available data, the classification criteria are not met Other information: 						
	Non-applicable						
	Specific toxicology information on the substances:						
	Not available						
	Acute Toxicity Estimate (ATE mix):						
		,	ATE mix		Ingredient(s) of unknown toxicity		
	Oral		>2000 mg/kg (Calcu	ulation method)	Non-applicable		
	Dermal		>2000 mg/kg (Calcu	lation method)	Non-applicable		
	Inhalation		>20 mg/L (4 h) (Calo	culation method)	Non-applicable		
1.2	Information of	n other hazards:					
	Endocrine dis	srupting properties					
	Endocrine-disr	upting properties: TI	he product fails to r	meet the criteria.			
	Other informa	ition					
	Non-applicable	3					
ECT	FION 12: ECC	OLOGICAL INFO	RMATION				
				nonerties of the prod	duct itself is not available		

Not available

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

Flowcell (Flush) Tether / Priming Tether

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transpo	rt of dangerous goods by sea:	
With rega	ard to IMDG 40-20:	



Flowcell (Flush) Tether / Priming Tether

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SECTION 14:	TRANSPORT INFORMATION	l (continued)	
14.1 14.2	UN number or ID number: UN proper shipping name:	Non-applicable Non-applicable	
14.2	Transport hazard class(es): Labels:	Non-applicable Non-applicable	
14.4	Packing group:	Non-applicable	
14.5 14.6	Marine pollutant: Special precautions for user	No	
	Special regulations: EmS Codes:	Non-applicable	
	Physico-Chemical properties: Limited quantities:	see section 9 Non-applicable	
14.7	Segregation group: Maritime transport in bulk	Non-applicable Non-applicable	
Transpo	according to IMO instruments: rt of dangerous goods by air:		
With rega	ard to IATA/ICAO 2023:		
14.1 14.2 14.3	UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels:	Non-applicable Non-applicable Non-applicable	
14.4 14.5	Packing group: Environmental hazards:	Non-applicable No	
14.6	Special precautions for user Physico-Chemical properties:	see section 9	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

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SECTION 16: OTH	HER INFORMATION (continued)						
	. ,	heet which concerns the ways of managing risks.:					
Non-applicable	e						
Texts of the le	Texts of the legislative phrases mentioned in section 3:						
	The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the						
	individual components which appear in section 3 CLP Regulation (EC) No 1272/2008:						
Non-applicable							
Classification							
Non-applicable	•						
Advice relate							
	6	risks for staff using this product and to facilitate their comprehension and					
	of this safety data sheet, as well as the la						
Principal bibl	iographical sources:						
http://echa.eur	opa.eu						
http://eur-lex.e	uropa.eu						
Abbreviations	s and acronyms:						
	n agreement concerning the internationa	al carriage of dangerous goods by road					
	tional maritime dangerous goods code						
	onal Air Transport Association						
	ional Civil Aviation Organisation						
	al Oxygen Demand iochemical oxygen demand						
	entration factor						
LD50: Lethal D							
LC50: Lethal C	Concentration 50						
EC50: Effective	e concentration 50						
5	anolwater partition coefficient						
	coefficient of organic carbon						
	rmula identifier						
IARC: Internat	ional Agency for Research on Cancer						

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.



Library Beads

	: 18/09/2023 Date of compilation: 22/06/2022 Version: 1 CTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING				
1.1	Product identifier: Library Beads Other means of identification:				
1.2	LIB Relevant identified uses of the substance or mixture and uses advised against:				
1.2	Relevant uses: Research use				
	Uses advised against: All uses not specified in this section or in section 7.3				
1.3	Details of the supplier of the safety data sheet:				
	Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/				
	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)				

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet



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SECTION 4: FIRST AID MEASURES (continued)

By eye contact:

Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

By ingestion/aspiration:

In case of consumption in large quantities, it is recommended to seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:



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SEC	TION 7: HANDLING AND STORAGE (continued)						
A General precautions for safe use							
	Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions						
	It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene						
	Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.						
	D Technical recommendations to prevent environmental risks						
	It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2						
7.2	Conditions for safe storage, including any incompatibilities:						
	A Technical measures for storage						
	Maximum time: 12 Months						
	B General conditions for storage						
	Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5						
7.3	Specific end use(s):						
	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.						
SEC	TION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION						
8.1	Control parameters:						
	Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):						
	There are no applicable occupational exposure limits for the substances contained in the product						
8.2	Exposure controls:						

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E Bo	dy protection				



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Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

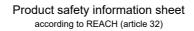
In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2350 Pa
Vapour pressure at 50 °C:	12381,01 Pa (12,38 kPa)
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	1043 kg/m ³
Relative density at 20 °C:	1,043
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing inform	ation property of its hazards.



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPE	RTIES (continued)
	Upper flammabi	ility limit:	Non-applicable *
	Particle charac	teristics:	
	Median equivale	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information wit	th regard to physical hazard classe	es:
	Explosive prope	erties:	Non-applicable *
	Oxidising prope	rties:	Non-applicable *
	Corrosive to me	etals:	Non-applicable *
	Heat of combus	tion:	Non-applicable *
	Aerosols-total p components:	ercentage (by mass) of flammable	Non-applicable *
	Other safety ch	naracteristics:	
	Surface tension	at 20 °C:	Non-applicable *
	Refraction index	K:	Non-applicable *
	*Not relevant due to	o the nature of the product, not providing infor	mation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):



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SEC	TION 11: TOXICOLO	GICAL INFORMATION (continued)					
	- Corrosivity/Irritabil	ased on available data, the classification criteria are no ity: Based on available data, the classification criteria and the eyes (acute effect):					
	 Contact with the e 	kin: Based on available data, the classification criteria yes: Based on available data, the classification criteria ogenicity, mutagenicity and toxicity to reproduction):					
	 Carcinogenicity: Based on available data, the classification criteria are not met IARC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met Sensitizing effects: 						
	 Respiratory: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met F- Specific target organ toxicity (STOT) - single exposure: 						
	Based on available data, the classification criteria are not met						
	G- Specific target organ	toxicity (STOT)-repeated exposure:					
	 Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met H- Aspiration hazard: 						
	Based on available d	lata, the classification criteria are not met					
	Other information:						
	Non-applicable						
	Non-applicable	ormation on the substances:					
	Non-applicable	ormation on the substances:					
	Non-applicable Specific toxicology infe						
	Non-applicable Specific toxicology infe		Ingredient(s) of unknown toxicity				
	Non-applicable Specific toxicology infe	e (ATE mix):	Ingredient(s) of unknown toxicity Non-applicable				
	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method)	Non-applicable Non-applicable				
	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method)	Non-applicable				
1.2	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method)	Non-applicable Non-applicable				
1.2	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards:	Non-applicable Non-applicable				
1.2	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other ha Endocrine disrupting p	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards:	Non-applicable Non-applicable				
1.2	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other ha Endocrine disrupting p	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties	Non-applicable Non-applicable				
1.2	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other has Endocrine disrupting pro	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties	Non-applicable Non-applicable				
1.2	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other has Endocrine disrupting pro Other information	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties	Non-applicable Non-applicable				
	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other has Endocrine disrupting pro Other information Non-applicable	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties opperties: The product fails to meet the criteria.	Non-applicable Non-applicable				
SEC.	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other has Endocrine-disrupting pro Other information Non-applicable TION 12: ECOLOGIC	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties opperties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable				
SEC.	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other has Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIC	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties opperties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable				
SEC The e	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other has Endocrine-disrupting pro Other information Non-applicable TION 12: ECOLOGIC	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties opperties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable				
	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other has Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIC	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties opperties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable				
EC he e 2.1	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other has Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIC	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties opperties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable				
SEC The e 2.1	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other ha Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIC	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties opperties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable				
SEC The e	Non-applicable Specific toxicology infe Not available Acute Toxicity Estimat Oral Dermal Inhalation Information on other has Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGICA experimental information re Toxicity: Not available Persistence and degrae	e (ATE mix): ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) azards: properties opperties: The product fails to meet the criteria. AL INFORMATION elated to the eco-toxicological properties of the product dability:	Non-applicable Non-applicable Non-applicable				

- **12.4 Mobility in soil:** Not available
- 12.5 Results of PBT and vPvB assessment:



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SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transpor	rt of dangerous goods by sea:	
With rega	rd to IMDG 40-20:	



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SECTION 14:	TRANSPORT INFORMATION	V (continued	ed)
14.1	UN number or ID number:	Non-applicat	cable
14.2	UN proper shipping name:	Non-applicat	able
14.3	Transport hazard class(es):	Non-applicat	able
	Labels:	Non-applicat	
14.4	Packing group:	Non-applicat	able
14.5	Marine pollutant:	No	
14.6	Special precautions for user		
	Special regulations:	Non-applicat	able
	EmS Codes:		
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Non-applicat	
	Segregation group:	Non-applicat	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicat	able
Transpo	rt of dangerous goods by air:		
With rega	ard to IATA/ICAO 2023:		
14.1	UN number or ID number:	Non-applicat	cable
14.2	UN proper shipping name:	Non-applicat	able
14.3	Transport hazard class(es):	Non-applicat	able
	Labels:	Non-applicat	able
14.4	Packing group:	Non-applicat	able
14.5	Environmental hazards:	No	
14.6	Special precautions for user		
	Physico-Chemical properties:	see section §	n 9
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicat	able

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

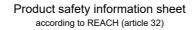


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Printing: 1	18/09/2023	Date of compilation: 22/06/2022	Version: 1				
SECT	ION 16: OTH	HER INFORMATION (continued)					
			heet which concerns the ways of managing risks.:				
1	Non-applicable						
1	Texts of the legislative phrases mentioned in section 3:						
	The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the						
1	individual components which appear in section 3						
	-	on (EC) No 1272/2008:					
1	Non-applicable						
	Classification	•					
1	Non-applicable						
	Advice relate	d to training:					
	Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.						
	Principal bibliographical sources:						
	http://echa.eur	opa.eu					
	http://eur-lex.e	uropa.eu					
	Abbreviations	s and acronyms:					
		in agreement concerning the internationa	al carriage of dangerous goods by road				
		tional maritime dangerous goods code					
		onal Air Transport Association					
		ional Civil Aviation Organisation					
		al Oxygen Demand					
		iochemical oxygen demand entration factor					
	LD50: Lethal D						
1		Concentration 50					
		e concentration 50					
	LogPOW: Octa	anolwater partition coefficient					
		coefficient of organic carbon					
		rmula identifier					
	IARC: Internat	ional Agency for Research on Cancer					

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF DOCUMENT



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.1	Product identifier:	Library Solution				
	Other means of identification:					
	LIS					
.2	Relevant identified uses of the substance or mixture and uses advised against:					
	Relevant uses: Research use					
	Uses advised against: All uses not specified in this section or in section 7.3					
1.3	Details of the supplier of the safety data sheet:					
	Oxford Nanopore Technologies					
	Gosling Building, Edmund Halley Road, Oxford Science Park					
	OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901					
	http://www.nanoporetech.com/					
1.4	Emergency telephone number:	+44 (0)845 034 7900 (9am-5:30pm GMT)				

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

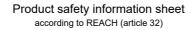
Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet



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SECTION 4: FIRST AID MEASURES (continued)

By eye contact:

Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

By ingestion/aspiration:

In case of consumption in large quantities, it is recommended to seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

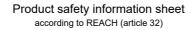
Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:





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SEC	CTION 7: HANDLING AND STORAGE (continued)
	 A General precautions for safe use Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions
	It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene
	Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
	D Technical recommendations to prevent environmental risks
	It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2
7.2	Conditions for safe storage, including any incompatibilities:
	A Technical measures for storage
	Maximum time: 12 Months
	B General conditions for storage
	Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5
7.3	Specific end use(s):
	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.
SEC	CTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1	Control parameters:
	Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
	There are no applicable occupational exposure limits for the substances contained in the product
8.2	Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E Bo	dy protection				



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inting: 18/09 SECTION		e of compilation: 22/06/2 E CONTROLS/PERS		sion: 1 TECTION (continued)	
Г	Pictogram	PPE	Labelling	CEN Standard	Remarks
		Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
F A	dditional emerge	ency measures			
It	is not necessary	/ to take additional emer	ency measure	S.	

Environmental exposure controls:

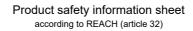
In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 ºC:	2350 Pa
Vapour pressure at 50 °C:	12381,01 Pa (12,38 kPa)
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	1041,9 kg/m³
Relative density at 20 °C:	1,042
Dynamic viscosity at 20 ºC:	1,08 cP
Kinematic viscosity at 20 °C:	1,03 mm²/s
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing informa	ation property of its hazards.



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPER	RTIES (continued)
	Upper flammab	ility limit:	Non-applicable *
	Particle charac	teristics:	
	Median equivale	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information wi	th regard to physical hazard classes	s:
	Explosive prope	erties:	Non-applicable *
	Oxidising prope	rties:	Non-applicable *
	Corrosive to me	etals:	Non-applicable *
	Heat of combustion:		Non-applicable *
	Aerosols-total percentage (by mass) of flammable components:		Non-applicable *
	Other safety characteristics:		
	Surface tension	at 20 °C:	Non-applicable *
	Refraction index:		Non-applicable *
	*Not relevant due te	o the nature of the product, not providing inform	nation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

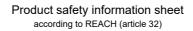
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):





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SEC	18/09/2023 Date of	GICAL INFORMATION (continued)				
	TION TI. TOXICOLOG	SICAL INFORMATION (continued)				
		sed on available data, the classification criteria are n ty: Based on available data, the classification criteria				
	,	and the eyes (acute effect):				
	- Contact with the sk	in: Based on available data, the classification criteria	a are not met			
		es: Based on available data, the classification criter				
	D- CMR effects (carcino	genicity, mutagenicity and toxicity to reproduction):				
	- Carcinogenicity: Based on available data, the classification criteria are not met					
	IARC: Non-applicable - Mutagenicity: Based on available data, the classification criteria are not met					
		ty: Based on available data, the classification criteria				
	E- Sensitizing effects:					
		on available data, the classification criteria are not	met			
		ailable data, the classification criteria are not met				
		toxicity (STOT) - single exposure:				
		ata, the classification criteria are not met				
	G- Specific target organ	toxicity (STOT)-repeated exposure:				
		an toxicity (STOT)-repeated exposure: Based on ava	ailable data, the classification criteria are not met			
	H- Aspiration hazard:	ailable data, the classification criteria are not met				
		the the electric stars with the own much much				
	Based on available data, the classification criteria are not met					
	Other information:					
	Other information:					
	Other information: Non-applicable					
	Non-applicable	rmation on the substances:				
	Non-applicable Specific toxicology info	rmation on the substances:				
	Non-applicable Specific toxicology info Not available					
	Non-applicable Specific toxicology info	(ATE mix):				
	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate	ATE mix	Ingredient(s) of unknown toxicity			
	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral	ATE mix ATE mix >2000 mg/kg (Calculation method)	Non-applicable			
	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method)	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal	ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method)	Non-applicable			
1.2	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other ha	ATE mix ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) zards:	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other has Endocrine disrupting pro-	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) zards: roperties	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other ha Endocrine disrupting prop	ATE mix ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) zards:	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other ha Endocrine disrupting prop Other information	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) zards: roperties	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other ha Endocrine disrupting prop	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) zards: roperties	Non-applicable Non-applicable			
1.2	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other ha Endocrine disrupting prop Other information	ATE mix ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) zards: roperties	Non-applicable Non-applicable			
	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other ha Endocrine disrupting prop Other information	ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) zards: roperties poerties: The product fails to meet the criteria.	Non-applicable Non-applicable			
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EC he e	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other ha Endocrine disrupting prop Other information Non-applicable TION 12: ECOLOGICA	ATE mix >2000 mg/kg (Calculation method) >200 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) zards: roperties perties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable			
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EC he e 2.1	Non-applicable Specific toxicology info Not available Acute Toxicity Estimate Oral Dermal Inhalation Information on other had Endocrine disrupting prop Other information Non-applicable TION 12: ECOLOGICA experimental information rel Toxicity: Not available Persistence and degrad	ATE mix 2000 mg/kg (Calculation method) 2000 mg/kg (Calculation method) 20 mg/L (4 h) (Calculation method) zards: roperties perties: The product fails to meet the criteria. AL INFORMATION ated to the eco-toxicological properties of the product lability:	Non-applicable Non-applicable Non-applicable			

- **12.4 Mobility in soil:** Not available
- 12.5 Results of PBT and vPvB assessment:



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SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transpo	rt of dangerous goods by sea:	
With rega	ard to IMDG 40-20:	



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SECTION 14:	FRANSPORT INFORMATION	l (continued)	
14.1	UN number or ID number:	Non-applicable	
14.2	UN proper shipping name:	Non-applicable	
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	
14.5	Marine pollutant:	No	
14.6	Special precautions for user Special regulations:	Non-applicable	
	EmS Codes:		
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Non-applicable	
	Segregation group:	Non-applicable	1
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	
Transpo	rt of dangerous goods by air:		
With rega	rd to IATA/ICAO 2023:		
14.1	UN number or ID number:	Non-applicable	
14.2	UN proper shipping name:	Non-applicable	
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	
14.5	Environmental hazards:	No	
14.6	Special precautions for user		
	Physico-Chemical properties:	see section 9	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).



Library Solution

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SEC	TION 16: OT	HER INFORMATION (continued)	
			heet which concerns the ways of managing risks.:
	Non-applicabl	e	
		egislative phrases mentioned in section	
			; they are present merely for informative purposes and refer to the
		ponents which appear in section 3	
	-	ion (EC) No 1272/2008:	
	Non-applicabl		
	Classification	-	
	Non-applicabl		
	Advice relate		
		commended in order to prevent industrial of this safety data sheet, as well as the la	risks for staff using this product and to facilitate their comprehension and abel on the product.
	Principal bib	liographical sources:	
	http://echa.eu		
	http://eur-lex.e	europa.eu	
		s and acronyms:	
		an agreement concerning the internationa	al carriage of dangerous goods by road
		tional maritime dangerous goods code	
		ional Air Transport Association	
		tional Civil Aviation Organisation al Oxygen Demand	
		biochemical oxygen demand	
		entration factor	
	LD50: Lethal I	Dose 50	
	LC50: Lethal	Concentration 50	
		e concentration 50	
		anolwater partition coefficient	
		coefficient of organic carbon	
		ormula identifier	
	IARC. Interna	tional Agency for Research on Cancer	

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF DOCUMENT

Rapid Adapter / Rapid Adapter F / Rapid Adapter Mix I

Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/				
 1.2 Relevant identified uses of the substance or mixture and uses advised against: Relevant uses: Research use Uses advised against: All uses not specified in this section or in section 7.3 1.3 Details of the supplier of the safety data sheet: Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/ 		RA / RAP-F / RAP / RAPF		
Relevant uses: Research use Uses advised against: All uses not specified in this section or in section 7.3 1.3 Details of the supplier of the safety data sheet: Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/	12			
Uses advised against: All uses not specified in this section or in section 7.3 1.3 Details of the supplier of the safety data sheet: Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/	1.4	Relevant identified uses of the s	ubstance or mixtu	re and uses advised against:
1.3 Details of the supplier of the safety data sheet: Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/		Relevant uses: Research use		
Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/		Uses advised against: All uses no	specified in this see	ction or in section 7.3
Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/	1.3	Details of the supplier of the sat	ety data sheet:	
1.4 Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)		Gosling Building, Edmund Halley I OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax	b	
			+44 (0)845 034 790	00 (9am-5:30pm GMT)

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

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Printing: 18/09/2023 Date of compilation: 06/05/2022 Version: 1 SECTION 4: FIRST AID MEASURES (continued) By eye contact: Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product. By ingestion/aspiration: In case of consumption in large quantities, it is recommended to seek medical assistance. 4.2 Most important symptoms and effects, both acute and delayed: Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:



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SEC	TION 7: HANDL	ING AND	STORAGE (conti	tinued)
	A General preca	autions for s	safe use	
	Maintain orde	er, cleanlines	ss and dispose of usir	g the prevention of industrial risks with regards manually handling weights. sing safe methods (section 6). on of fires and explosions
	products. Cor	nsult sectior		d to avoid the creation of electrostatic charges that could affect flammable nd materials that should be avoided. Ipational hygiene
	Do not eat or	drink during	the process, washin	ng hands afterwards with suitable cleaning products.
	D Technical rec	commendation	ons to prevent enviro	onmental risks
	It is not neces	ssary to take	e special measures to	to prevent environmental risks. For more information see subsection 6.2
7.2	Conditions for s	safe storage	e, including any inco	compatibilities:
	A Technical me	easures for s	torage	
	Maximum tim	ne:	12 Months	
	B General cond	ditions for st	orage	
	Avoid sources	s of heat, ra	diation, static electric	city and contact with food. For additional information see subsection 10.5
7.3	Specific end use	e(s):		
	Except for the ins product.	structions al	ready specified it is n	not necessary to provide any special recommendation regarding the uses of this
SEC	TION 8: EXPOS	SURE CO	NTROLS/PERSO	NAL PROTECTION
8.1	Control paramet	ters:		
	Substances whose legislation):	se occupatio		have to be monitored in the workplace (European OEL, not country-specific imits for the substances contained in the product

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

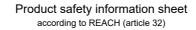
	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E Ē	Body protection				



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CTION 8: EXPOSURE CONTROLS/I	PERSONAL PROT	FECTION (continued	
Pictogram PPE	Labelling	CEN Standard	Remarks
Work clothing	CATI		Replace before any evidence of deterioration. periods of prolonged exposure to the product professional/industrial users CE III is recommended, in accordance with the regulation in EN ISO 6529:2013, EN ISO 6530:2005, EN 13688:2013, EN 464:1994.
F Additional emergency measures			
It is not necessary to take additional	emergency measures	S.	
Environmental exposure controls: In accordance with the community legisl spillage of both the product and its conta			
TION 9: PHYSICAL AND CHEMICA	AL PROPERTIES		
Information on basic physical and ch			
For complete information see the produc			
Appearance:			
Physical state at 20 °C:	Liqui	d	
Appearance:	Color		
Colour:		urless	
Odour:	-	irless	
Odour threshold:		applicable *	
Volatility:		appricable	
Boiling point at atmospheric pressure:	100 °	C.	
Vapour pressure at 20 °C:	2350	-	
Vapour pressure at 50 °C:		1,01 Pa (12,38 kPa)	
Evaporation rate at 20 °C:		applicable *	
Product description:			
Density at 20 °C:	1143	,9 kg/m³	
Relative density at 20 °C:	1,144	-	
Dynamic viscosity at 20 °C:		applicable *	
Kinematic viscosity at 20 °C:		applicable *	
Kinematic viscosity at 40 °C:		applicable *	
Concentration:		applicable *	
pH:		applicable *	
Vapour density at 20 °C:		applicable *	
Partition coefficient n-octanol/water 20 %		applicable *	
Solubility in water at 20 °C:		applicable *	
Solubility properties:		applicable *	
Decomposition temperature:		applicable *	
Melting point/freezing point:		applicable *	
Flammability:			
Flash Point:	Non	Flammable (>60 °C)	
Flammability (solid, gas):		applicable *	
Autoignition temperature:		applicable *	

*Not relevant due to the nature of the product, not providing information property of its hazards.



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPER	RTIES (continued)
	Upper flammab	ility limit:	Non-applicable *
	Particle characteristics: Median equivalent diameter:		
			Non-applicable
9.2	Other informat	tion:	
	Information wi	th regard to physical hazard classe	s:
	Explosive prope	erties:	Non-applicable *
	Oxidising properties: Corrosive to metals:		Non-applicable *
			Non-applicable *
	Heat of combus	stion:	Non-applicable *
	Aerosols-total p components:	ercentage (by mass) of flammable	Non-applicable *
	Other safety c	haracteristics:	
	Surface tension at 20 °C:		Non-applicable *
	Refraction inde	x:	Non-applicable *
	*Not relevant due t	o the nature of the product, not providing inform	mation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):



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ECTION 11: TOXICOLOGICAL INFORMATION (continued) Acute toxicity :: Based on available data, the classification criteria are not met Corrosivity/infability: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Mutagenicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met Resprintory: Based on available data, the classification criteria are not met Specific target organ toxicity (STOT) -repeated exposure: Specific target organ toxicity (STOT)-repeated exposure: Specific target organ toxicity (STOT)-repeated exposure: Specific target organ toxicity (STOT)-repeated exposure: Specific toxicology information on the substances: Non-applicable Mon-applicable Specific toxicology information on the substances: Not available Acute Toxicity Estimate (ATE mix): ATE mix Mon-applicable Specific toxicology information on the substances: Non-applicable <!--</th--><th>cute toxicity : Based on available data, the classification criteria are not met corrosivity/Irritability: Based on available data, the classification criteria are not met contact with the skin: Based on available data, the classification criteria are not met contact with the seys: Based on available data, the classification criteria are not met Reffects (carcinogenicity, mutagenicity and toxicity to reproduction): arcinogenicity: Based on available data, the classification criteria are not met RC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met RC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met sitzing effects: Respiratory: Based on available data, the classification criteria are not met sitzing effects: Respiratory: Sased on available data, the classification criteria are not met cific target organ toxicity (STOT) - single exposure: ed on available data, the classification criteria are not met icitic target organ toxicity (STOT)-repeated exposure: reperiod torget organ toxicity (STOT)-repeated exposure: reperiod torget organ toxicity (STOT)-repeated exposure: iable toxicity Estimate (ATE mix): c toxicology information on the substances: iilable</th><th>ting: 18/09/2023</th><th>Date of compilation: 06/05/2022</th><th>Version: 1</th><th></th>	cute toxicity : Based on available data, the classification criteria are not met corrosivity/Irritability: Based on available data, the classification criteria are not met contact with the skin: Based on available data, the classification criteria are not met contact with the seys: Based on available data, the classification criteria are not met Reffects (carcinogenicity, mutagenicity and toxicity to reproduction): arcinogenicity: Based on available data, the classification criteria are not met RC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met RC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met sitzing effects: Respiratory: Based on available data, the classification criteria are not met sitzing effects: Respiratory: Sased on available data, the classification criteria are not met cific target organ toxicity (STOT) - single exposure: ed on available data, the classification criteria are not met icitic target organ toxicity (STOT)-repeated exposure: reperiod torget organ toxicity (STOT)-repeated exposure: reperiod torget organ toxicity (STOT)-repeated exposure: iable toxicity Estimate (ATE mix): c toxicology information on the substances: iilable	ting: 18/09/2023	Date of compilation: 06/05/2022	Version: 1				
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	plicable	1.2 Information of Endocrine di Endocrine-dis	.2 Information on other hazards: Endocrine disrupting properties Endocrine-disrupting properties: The product fails to meet the criteria.					
Non-applicable								
		Non-applicabl	е					

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Not available

12.2 Persistence and degradability:

Not available

- 12.3 Bioaccumulative potential:
- Not available
- **12.4 Mobility in soil:** Not available
- 12.5 Results of PBT and vPvB assessment:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable				
14.2	UN proper shipping name:	Non-applicable				
14.3	Transport hazard class(es):	Non-applicable				
	Labels:	Non-applicable				
14.4	Packing group:	Non-applicable				
14.5	Environmental hazards:	No				
14.6	Special precautions for user					
	Special regulations:	Non-applicable				
	Tunnel restriction code:	Non-applicable				
	Physico-Chemical properties:	see section 9				
	Limited quantities:	Non-applicable				
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable				
Transpo	Transport of dangerous goods by sea:					
With rega	ard to IMDG 40-20:					



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SECTION 14:	TRANSPORT INFORMATION	V (continued	
14.1	UN number or ID number:	Non-applicabl	
14.2	UN proper shipping name:	Non-applicabl	
14.3	Transport hazard class(es):	Non-applicabl	
44.4	Labels:	Non-applicabl	
14.4 14.5	Packing group:	Non-applicabl	he
14.5	Marine pollutant: Special precautions for user	INO	
14.0	Special regulations:	Non-applicabl	le
	EmS Codes:		
	Physico-Chemical properties:	see section 9	1
	Limited quantities:	Non-applicabl	le
	Segregation group:	Non-applicabl	le
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicabl	le
Transpo	rt of dangerous goods by air:		
With rega	ard to IATA/ICAO 2023:		
14.1	UN number or ID number:	Non-applicabl	le
14.2	UN proper shipping name:	Non-applicabl	le
14.3	Transport hazard class(es):	Non-applicabl	le
	Labels:	Non-applicabl	le
14.4	Packing group:	Non-applicabl	le
14.5	Environmental hazards:	No	
14.6	Special precautions for user		
	Physico-Chemical properties:	see section 9	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicabl	le

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).



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SECTION 16: OTH	HER INFORMATION (continued)	
Modifications		heet which concerns the ways of managing risks.:
The phrases ir individual com	egislative phrases mentioned in secti- ndicated do not refer to the product itself ponents which appear in section 3 on (EC) No 1272/2008:	on 3: ; they are present merely for informative purposes and refer to the
Non-applicable Classification Non-applicable	e I procedure:	
Advice relate Training is rec	d to training:	risks for staff using this product and to facilitate their comprehension and abel on the product.
Principal bibl http://echa.eur http://eur-lex.e		
ADR: Europea IMDG: Interna IATA: Internation	s and acronyms: In agreement concerning the internation tional maritime dangerous goods code onal Air Transport Association ional Civil Aviation Organisation	al carriage of dangerous goods by road
BOD5: 5day b BCF: Bioconce LD50: Lethal D	al Oxygen Demand iochemical oxygen demand entration factor Dose 50 Concentration 50	
EC50: Effectiv LogPOW: Octa Koc: Partition	concentration 50 e concentration 50 anolwater partition coefficient coefficient of organic carbon rmula identifier	
	ional Agency for Research on Cancer	

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

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SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING						
1.1	Product identifier: Sequencing Buffer / RNA Running Buffer						
	Other means of identification:						
	SQB, RRB, SB						
1.2	Relevant identified uses of the substance or mixture and uses advised against:						
	Relevant uses: Research use						
	Uses advised against: All uses not specified in this section or in section 7.3						
1.3	Details of the supplier of the safety data sheet:						
	Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/						
	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)						
1.4	Emergency telephone number. +44 (0)645 034 7900 (gam-5.50pm GMT)						
1.4							
	CTION 2: HAZARDS IDENTIFICATION						
SEC	TION 2: HAZARDS IDENTIFICATION						
SEC	CTION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture:						
SEC 2.1	CTION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008:						
SEC 2.1	CTION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.						
SEC 2.1	Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. Label elements:						
SEC 2.1	CTION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. Label elements: CLP Regulation (EC) No 1272/2008:						
SEC	Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. Label elements: CLP Regulation (EC) No 1272/2008: Hazard statements:						
SEC 2.1 2.2	Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. Label elements: CLP Regulation (EC) No 1272/2008: Hazard statements: Non-applicable Precautionary statements: P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P501: Dispose of contents/container according to the separated collection system used in your municipality.						
SEC 2.1	Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. Label elements: CLP Regulation (EC) No 1272/2008: Hazard statements: Non-applicable Precautionary statements: P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children.						

3.1 Substance:

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Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, glycol-ethers, surfactants, enzymes and colourants.

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

* Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

In case of symptoms, move the person affected into fresh air.

By skin contact:

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-		TAID MEASURES (continued)		
OLU				
		redness, rashes, blisters,), seek me		vater and neutral soap. In case of changes to the Data Sheet
	Rinse with wat	er until the product has been eliminate	ed. In case of problems, cons	sult a doctor showing the SDS for the product.
	By ingestion/a	aspiration:		
	In case of cons	sumption in large quantities, it is recom	nmended to seek medical as	sistance.
4.2	Most importa	nt symptoms and effects, both acute	e and delayed:	
	Acute and dela	ayed effects are indicated in sections 2	and 11.	
4.3	Indication of a	any immediate medical attention and	d special treatment needed	d:
	Non-applicable	;		
SEC	CTION 5: FIRE	FIGHTING MEASURES		
5.1	Extinguishing	media:		
	Suitable exting	guishing media:		
	storage, handlir any type of exti		e of sustained combustion a	stics of the product in normal conditions of as a result of improper handling, storage or use
	Non-applicable			
5.2	Special hazard	Is arising from the substance or mix	xture:	
	Due to its non-i	nflammable nature, the product does r	not present a fire risk under i	normal conditions of storage, handling and use.
5.3	Advice for fire			
		num emergency facilities and equipmen 9/654/EC.		clothing and self-contained breathing apparatus lankets, portable first aid kit,) in accordance
	-		and the Information Sheets o	on actions to take after an accident or other
	emergencies. E	Eliminate all sources of ignition. In case plosion or BLEVE as a result of high te	e of fire, cool the storage cor	ntainers and tanks for products susceptible to of the products used to extinguish the fire into an
SEC	TION 6: ACCI	DENTAL RELEASE MEASURES	5	
6.1	Personal preca	autions, protective equipment and e	emergency procedures:	
	-	gency personnel:	0 71	
	-	ovided that there is no additional risk f	or the people performing this	s task.
	For emergency			
	•	e equipment. Keep unprotected persor	ns away. See section 8	
6.2	Environmenta		,	
		-	ironment. Keep product awa	ay from drains, surface and ground water.
6.3		material for containment and cleaning		,
	It is recommend		··· J ··· P·	
			l move it to a safe place. Do	not absorb in sawdust or other combustible
6.4	absorbents. Fo	r any concern related to disposal cons		

See sections 8 and 13.

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TION 7: HANDLING AND STORAGE
Precautions for safe handling:
A General precautions for safe use
Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions
It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene
Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
D Technical recommendations to prevent environmental risks
It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2
Conditions for safe storage, including any incompatibilities:
A Technical measures for storage
Maximum time: 12 Months
B General conditions for storage
Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5
Specific end use(s):
Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.
TION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Control parameters:
Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation): There are no applicable occupational exposure limits for the substances contained in the product

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E	Body protection				

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TION 8: EXPOSURE CONTROLS/PE	RSON <u>AL PROT</u>	ECTION (continued	d)
	1		
Pictogram PPE Work clothing	Labelling CAT I	CEN Standard	Remarks Replace before any evidence of deterioration periods of prolonged exposure to the produc professional/industrial users CE III is recommended, in accordance with the regulai in EN ISO 6529:2013, EN ISO 6530:2005, EN 13688:2013, EN 464:1994.
F Additional emergency measures			
It is not necessary to take additional emo	ergency measures	i.	
Environmental exposure controls: In accordance with the community legislatio spillage of both the product and its containe	n for the protectior r. For additional int	n of the environment it i formation see subsectio	is recommended to avoid environmental on 7.1.D
TION 9: PHYSICAL AND CHEMICAL I	PROPERTIES		
Information on basic physical and chemi			
For complete information see the product da	alasheel.		
Appearance:	Liquid	4	
Physical state at 20 °C:	Color		
Appearance: Colour:	-		
	Colou		
Odour:	Odou		
Odour threshold:	Non-a	applicable *	
Volatility:	100.0	0	
Boiling point at atmospheric pressure:	100 °	-	
Vapour pressure at 20 °C:	2350		
Vapour pressure at 50 °C:		1,01 Pa (12,38 kPa)	
Evaporation rate at 20 °C:	NON-8	applicable *	
Product description:	1105	71 / 3	
Density at 20 °C:		,7 kg/m³	
Relative density at 20 °C:	1,106		
Dynamic viscosity at 20 °C:		applicable *	
Kinematic viscosity at 20 °C:		applicable *	
Kinematic viscosity at 40 °C:		applicable *	
Concentration:		applicable *	
pH:		applicable *	
Vapour density at 20 °C:		applicable *	
Partition coefficient n-octanol/water 20 °C:		applicable *	
Solubility in water at 20 °C:		applicable *	
Solubility properties:		oletely miscible	
Decomposition temperature:		applicable *	
Melting point/freezing point:	Non-a	applicable *	
Flammability:			
Flash Point:		Flammable (>60 °C)	
Flammability (solid, gas): Autoignition temperature:		applicable * applicable *	



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPER	RTIES (continued)		
	Upper flammab	ility limit:	Non-applicable *		
	Particle charac	teristics:			
	Median equivale	ent diameter:	Non-applicable		
9.2	Other informat	ion:			
	Information wi	th regard to physical hazard classes	5:		
	Explosive prope	erties:	Non-applicable *		
	Oxidising prope	rties:	Non-applicable *		
	Corrosive to me	tals:	Non-applicable *		
	Heat of combus	tion:	Non-applicable *		
	Aerosols-total p components:	ercentage (by mass) of flammable	Non-applicable *		
	Other safety characteristics:				
	Surface tension	at 20 °C:	Non-applicable *		
	Refraction index	C.	Non-applicable *		
	*Not relevant due to the nature of the product, not providing information property of its hazards.				

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide, carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met
- Corrosivity/Irritability: Based on available data, the classification criteria are not met
- B- Inhalation (acute effect):



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SEC	TION 11: TO	KICOLOGICAL INFORMATION (continued)			
	 Acute toxicity : Based on available data, the classification criteria are not met Corrosivity/Irritability: Based on available data, the classification criteria are not met Contact with the skin and the eyes (acute effect): 					
	- Contact	with the skin: Based on available data with the eyes: Based on available data ts (carcinogenicity, mutagenicity and to	a, the classification criteria are			
	 Carcinogenicity: Based on available data, the classification criteria are not met IARC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met E- Sensitizing effects: 					
	- Skin: Ba	tory: Based on available data, the class ased on available data, the classificatio rget organ toxicity (STOT) - single expo	n criteria are not met			
	Based on a	available data, the classification criteria	a are not met			
	G- Specific ta	rget organ toxicity (STOT)-repeated ex	posure:			
		used on available data, the classificatio		e data, the classification criteria are not met		
	Based on a	available data, the classification criteria	a are not met			
	Other informa	ation:				
	Non-applicable	Э				
	Specific toxic	ology information on the substance	s:			
	Not available					
	Acute Toxicit	y Estimate (ATE mix):				
	Oral	ATE mix >2000 mg/kg (Calco	ulation mothod)	Ingredient(s) of unknown toxicity Non-applicable		
	Dermal	>2000 mg/kg (Calci		Non-applicable		
	Inhalation	>20 mg/L (4 h) (Cal	,	Non-applicable		
11.2	Information o	n other hazards:				
	Endocrine dis	srupting properties				
	Endocrine-disr	rupting properties: The product fails to	meet the criteria.			
	Other information					
	Non-applicable					
SECTION 12: ECOLOGICAL INFORMATION						
The experimental information related to the eco-toxicological properties of the product itself is not available						
12.1						
	Not available					
12.2						
	Not available					
12.3						
	Not available					
12.4	Mobility in so	il:				

Not available

12.5 Results of PBT and vPvB assessment:

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SEC	SECTION 12: ECOLOGICAL INFORMATION (continued)					
	Product fails to	meet PBT/vPvB criteria				
12.6	12.6 Endocrine disrupting properties:					
	Endocrine-disrupting properties: The product fails to meet the criteria.					
12.7	12.7 Other adverse effects:					
	Not described					

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). **Transport of dangerous goods by land:**

With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3		
14.5	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transpo	rt of dangerous goods by sea:	
With rega	ard to IMDG 40-20:	

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SECTION 14:	SECTION 14: TRANSPORT INFORMATION (continued)					
14.1	UN number or ID number:	Non-applicable				
14.2	UN proper shipping name:	Non-applicable				
14.3	Transport hazard class(es):	Non-applicable				
	Labels:	Non-applicable				
14.4	Packing group:	Non-applicable				
14.5	Marine pollutant:	No				
14.6	Special precautions for user					
	Special regulations:	Non-applicable				
	EmS Codes:					
	Physico-Chemical properties:	see section 9				
	Limited quantities:	Non-applicable				
	Segregation group:	Non-applicable				
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable				
Transpo	rt of dangerous goods by air:					
With rega	ard to IATA/ICAO 2023:					
14.1	UN number or ID number:	Non-applicable				
14.2	UN proper shipping name:	Non-applicable				
14.3	Transport hazard class(es):	Non-applicable				
	Labels:	Non-applicable				
14.4	Packing group:	Non-applicable				
14.5	Environmental hazards:	No				
14.6	Special precautions for user					
	Physico-Chemical properties:	see section 9				
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable				

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc)

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

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SECTION 16: OT	HER INFORMATION (continued)				
Modifications COMPOSITIO · Removed s Adenosin Texts of the I The phrases in individual com CLP Regulati Non-applicabl Classification Non-applicabl Advice relate Training is rec interpretation	Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.: COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3): • Removed substances Adenosine 5'-triphosphate (56-65-5) Texts of the legislative phrases mentioned in section 3: The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3 CLP Regulation (EC) No 1272/2008: Non-applicable Classification procedure: Non-applicable Advice related to training: Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.				
Principal bibl http://echa.eu http://eur-lex.e	Principal bibliographical sources: http://echa.europa.eu http://eur-lex.europa.eu				
ADR: Europea IMDG: Internat IATA: Internati ICAO: Internat COD: Chemic BOD5: 5day b BCF: Bioconc LD50: Lethal I LC50: Lethal 0 EC50: Effectiv LogPOW: Oct Koc: Partition UFI: unique fo	s and acronyms: an agreement concerning the internation itional maritime dangerous goods code ional Air Transport Association tional Civil Aviation Organisation al Oxygen Demand biochemical oxygen demand entration factor Dose 50 Concentration 50 ve concentration 50 anolwater partition coefficient coefficient of organic carbon ormula identifier tional Agency for Research on Cancer	al carriage of dangerous go	oods by road		

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information contained a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF DOCUMENT

NANOPORE