

SEC	: 15/06/2023 Date of compilation: 14/03/2022 Version: 1 CTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: DNA / RNA CS
	Other means of identification: DCS, RCS, DNACS
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)

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:

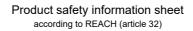
Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

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	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			
0.2	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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SECTION	N 8: EXPOSUR	E CONTROLS/PERS	SONAL PRO	TECTION (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.					
	it is not necessary	to take additional emerg	gency measures	S.	

Environmental exposure controls:

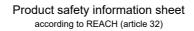
In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

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 °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 ºC:	1032,2 kg/m ³			
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 °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 information property of its hazards.				



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROP	ERTIES (continued)
	Upper flammabi	ility limit:	Non-applicable *
	Particle charac	teristics:	
	Median equivale	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information with	th regard to physical hazard clas	ises:
	Explosive properties:		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 cl	naracteristics:	
	Surface tension	at 20 °C:	Non-applicable *
	Refraction index	<:	Non-applicable *
*Not relevant due to the nature of the product, not providing information property of its hazards.			formation 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

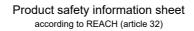
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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):





0	5/06/2023 Date of co	ompilation: 14/03/2022 Version: 1					
ECTIO	ON 11: TOXICOLOGIC	CAL INFORMATION (continued)					
С	 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): 						
D	 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): 						
E	IARC: Non-applicable - Mutagenicity: Based of	ed on available data, the classification criteria a on available data, the classification criteria are i Based on available data, the classification crite	not met				
F	- Skin: Based on availa	n available data, the classification criteria are no able data, the classification criteria are not met kicity (STOT) - single exposure:	ot met				
	Based on available data	, the classification criteria are not met					
G	G- Specific target organ tox	cicity (STOT)-repeated exposure					
	 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					
0	Other information:						
-							
IN	Non-applicable						
S	Specific toxicology information on the substances:						
Ν	Not available						
	Acute Toxicity Estimate (ATE mix):						
	Acute Toxicity Estimate (A	ATE mix	Ingredient(s) of unknown toxicity				
С	Dral	>2000 mg/kg (Calculation method)	Non-applicable				
C	Dermal	>2000 mg/kg (Calculation method)	Non-applicable				
	nhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable				
	Inidiation						
Ir	nformation on other haza	rds:					
lr 1.2 In	nformation on other haza		1				
lr 1.2 In E	nformation on other haza Indocrine disrupting prop	perties					
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1.2 In E	nformation on other haza Indocrine disrupting prop	perties					
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1.2 In EI O N ECTIO he expe 2.1 To N 2.2 Po N	nformation on other haza indocrine disrupting proper indocrine-disrupting proper Other information Ion-applicable ON 12: ECOLOGICAL erimental information relate foxicity: Not available Persistence and degradat Not available	berties ties: The product fails to meet the criteria. INFORMATION ed to the eco-toxicological properties of the prod bility:					
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1.2 In EI O N ECTIC he expe 2.1 To N 2.2 Pr N 2.3 B N	nformation on other haza indocrine disrupting proper indocrine-disrupting proper other information ion-applicable ON 12: ECOLOGICAL erimental information relate ioxicity: iot available Persistence and degradat iot available Bioaccumulative potential iot available	berties ties: The product fails to meet the criteria. INFORMATION ed to the eco-toxicological properties of the prod bility:					
1.2 In EI O N ECTIC he expe 2.1 To N 2.2 Pr N 2.3 B N	nformation on other haza indocrine disrupting proper indocrine-disrupting proper other information lon-applicable ON 12: ECOLOGICAL erimental information relate foxicity: lot available Persistence and degradate lot available Bioaccumulative potential	berties ties: The product fails to meet the criteria. INFORMATION ed to the eco-toxicological properties of the prod bility:					
1.2 In EI O N EECTIO he expe 2.1 To N 2.2 Po N 2.3 B N 2.4 M	nformation on other haza indocrine disrupting proper indocrine-disrupting proper other information ion-applicable ON 12: ECOLOGICAL erimental information relate ioxicity: iot available Persistence and degradat iot available Bioaccumulative potential iot available	berties ties: The product fails to meet the criteria. INFORMATION ed to the eco-toxicological properties of the prod bility:					

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				
Transport of dangerous goods by sea:						
With regard to IMDG 40-20:						



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SECTION 14:	TRANSPORT INFORMATION	N (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).

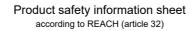


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SECTION 16: OTH	ER INFORMATION (continued)	
Non-applicable Texts of the leg The phrases ind individual comp CLP Regulatio Non-applicable Classification Non-applicable Advice related	gislative phrases mentioned in section dicated do not refer to the product itself; onents which appear in section 3 n (EC) No 1272/2008: procedure: to training:	; they are present merely for informative purposes and refer to the
interpretation of	this safety data sheet, as well as the la o graphical sources: pa.eu	risks for staff using this product and to facilitate their comprehension and abel on the product.
ADR: European IMDG: Internatio IATA: Internatio ICAO: Internatio COD: Chemical BOD5: 5day bio BCF: Bioconcer LD50: Lethal Do LC50: Lethal Co EC50: Effective LogPOW: Octal Koc: Partition co UFI: unique forr	ose 50 oncentration 50 concentration 50 nolwater partition coefficient oefficient of organic carbon	al carriage of dangerous goods 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



Flow Cell Flush

Printing	2: 15/06/2023 Date of compilation: 16/09/2022 Version: 1
SEC	CTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	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 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)

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.

This product is supplied in a glass vial. Apply caution when handling/twisting/opening/closing. Use of excessive force may result in breaking the vial and the formation of cut-hazards.

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:



Flow Cell Flush

Printing: 15/06/2023 Date of compilation: 16/09/2022 Version: 1 SECTION 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

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:

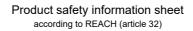
It is recommended:

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



Flow Cell Flush

Printing:	: 15/06/2023 Date of compilation: 16/09/2022 Version: 1
SEC	TION 7: HANDLING AND STORAGE (continued)
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
	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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

product.

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.

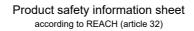
D.- Eye and face protection

	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				

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Printing: 15/00		e of compilation: 16/09/2		sion: 1 FECTION (continued)	
SECTION	NO. EAPUSUR	E CONTROLS/PERC	BONAL PRO	rection (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 emerge	ency measures			·
	It is not necessary	/ to take additional emerg	gency measures	6.	
Env	vironmental expo	sure controls:			
In a	ccordance with th	e community legislation f		n of the environment it is formation see subsection	recommended to avoid environmental 7.1.D
SECTION	N 9: PHYSICAL	AND CHEMICAL PF	ROPERTIES		
9.1 Info	ormation on basi	c physical and chemica	I properties:		
For	complete informa	tion see the product data	sheet.		
Арр	pearance:				

Physical state at 20 °C:LiquidAppearance:ColorlessColour:ColourlessOdour:OdourlessOdour threshold:Non-applicable *Volatility:Non-applicable *Boiling point at atmospheric pressure:100 °CVapour pressure at 20 °C:2350 PaVapour pressure at 50 °C:12381,01 Pa (12,38 kPa)Evaporation rate at 20 °C:Non-applicable *Product description:Non-applicable *Density at 20 °C:1,069Dynamic viscosity at 20 °C:Non-applicable *Kinematic viscosity at 20 °C:Non-applicable *Kinematic viscosity at 20 °C:Non-applicable *Kinematic viscosity at 20 °C:Non-applicable *Ph:Non-applicable *Vapour density at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *
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Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 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 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 charac	cteristics:	
	Median equival	ent diameter:	Non-applicable
9.2	Other informat	lion:	
	Information wi	th regard to physical hazard classes	S:
	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:	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	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

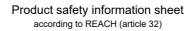
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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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ECTION 11. TOV	Date of compilation: 16/09/2022 Version: 1 KICOLOGICAL INFORMATION (continued)	
ECTION II. IUA		
- Corrosiv	xicity : Based on available data, the classification criteria are ity/Irritability: Based on available data, the classification crite th the skin and the eyes (acute effect):	
- Contact	with the skin: Based on available data, the classification crite with the eyes: Based on available data, the classification crit ts (carcinogenicity, mutagenicity and toxicity to reproduction)	teria are not met
IARC: No - Mutagen	genicity: Based on available data, the classification criteria ar on-applicable nicity: Based on available data, the classification criteria are r uctive toxicity: Based on available data, the classification criteria effects:	not met
- Skin: Ba	tory: Based on available data, the classification criteria are no used on available data, the classification criteria are not met rget organ toxicity (STOT) - single exposure:	ot met
Based on a	available data, the classification criteria are not met	
G- Specific tar	rget organ toxicity (STOT)-repeated exposure:	
- Skin: Ba H- Aspiration I	target organ toxicity (STOT)-repeated exposure: Based on a used on available data, the classification criteria are not met hazard: available data, the classification criteria are not met	
Other informa	ation:	
Non-applicable		
Specific toxic		
Specific toxic	ology information on the substances:	Ingredient(s) of unknown toxicity
Specific toxic	e ology information on the substances: y Estimate (ATE mix):	Ingredient(s) of unknown toxicity Non-applicable
Specific toxic Not available Acute Toxicity	e ology information on the substances: y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method)	
Specific toxic Not available Acute Toxicity Oral Dermal Inhalation	e ology information on the substances: y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculation method)	Non-applicable
Specific toxic Not available Acute Toxicity Oral Dermal Inhalation 1.2 Information of Endocrine dis	e ology information on the substances: y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) n other hazards: srupting properties: The product fails to meet the criteria. attion	Non-applicable Non-applicable
Specific toxic Not available Acute Toxicity Oral Dermal Inhalation 1.2 Information of Endocrine dis Endocrine-disr Other informa Non-applicable	e ology information on the substances: y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) n other hazards: srupting properties: The product fails to meet the criteria. attion	Non-applicable Non-applicable
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Specific toxic Not available Acute Toxicity Oral Dermal Inhalation 1.2 Information of Endocrine dis Endocrine dis Other informa Non-applicable SECTION 12: ECC	e sology information on the substances: y Estimate (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) n other hazards: srupting properties upting properties: The product fails to meet the criteria. ation	Non-applicable Non-applicable Non-applicable
Specific toxic Not available Acute Toxicity Oral Dermal Inhalation 1.2 Information of Endocrine dis Endocrine dis Endocrine dis SECTION 12: ECC the experimental info 2.1 Toxicity: Not available	e sology information on the substances: y Estimate (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) n other hazards: srupting properties upting properties: The product fails to meet the criteria. ation	Non-applicable Non-applicable Non-applicable
Specific toxic Not available Acute Toxicity Oral Dermal Inhalation 1.2 Information of Endocrine dis Endocrine dis Endocrine dis SECTION 12: ECC the experimental info 2.1 Toxicity: Not available	e ology information on the substances: y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) n other hazards: srupting properties: The product fails to meet the criteria. ation e DLOGICAL INFORMATION rmation related to the eco-toxicological properties of the product	Non-applicable Non-applicable Non-applicable

- 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
14.1	ON number of 1D 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		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: OTH	HER INFORMATION (continued)	
Non-applicable Texts of the le The phrases ir individual com CLP Regulati Non-applicable Classification Non-applicable Advice relate Training is rec	e egislative phrases mentioned in section indicated do not refer to the product itself ponents which appear in section 3 on (EC) No 1272/2008: e procedure: e d to training: ommended in order to prevent industrial	; they are present merely for informative purposes and refer to the 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		
ADR: Europea IMDG: Internat IATA: Internati ICAO: Internati COD: Chemic: BOD5: 5day b BCF: Bioconce LD50: Lethal I LC50: Lethal I EC50: Effectiv LogPOW: Octa Koc: Partition UFI: unique fo	s and acronyms: In agreement concerning the international tional maritime dangerous goods code onal Air Transport Association ional Civil Aviation Organisation al Oxygen Demand iochemical oxygen demand entration factor Dose 50 Concentration 50 e concentration 50 e concentration 50 anolwater partition coefficient coefficient of organic carbon rmula identifier ional Agency for Research on Cancer	al carriage of dangerous goods 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



		NY/UNDERTAKING				
1.1	I.1 Product identifier: Library Solution					
	Other means of identification:					
	LIS					
1.2	I.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	I.3 Details of the supplier of the safety data sheet:	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	I.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:

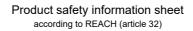
Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

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: 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	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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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:

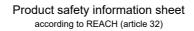
In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

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:	1041,9 kg/m³
Relative density at 20 °C:	1,042
Dynamic viscosity at 20 °C:	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 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 informa	tion property of its hazards.



Library Solution

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SEC	ECTION 9: PHYSICAL AND CHEMICAL PROPER		ERTIES (continued)
			Non-applicable *
	Particle charac	teristics:	
	Median equivale	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information wit	th regard to physical hazard class	es:
	Explosive properties:		Non-applicable *
	Oxidising properties:		Non-applicable *
Corrosive to metals:		tals:	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	c:	Non-applicable *
	*Not relevant due to	o the nature of the product, not providing info	ormation 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

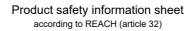
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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):





ting:	15/06/2023 Date	e of compilation: 22/0	06/2022 Version: 1					
EC	TION 11: TOXICOL	OGICAL INFORM	ATION (continued)					
		ability: Based on avail	data, the classification crite lable data, the classificatio ute effect):		met			
	 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): 							
	IARC: Non-appli - Mutagenicity: B	icable ased on available da oxicity: Based on avai	data, the classification crit ata, the classification criteri ilable data, the classificatio	a are not met	met			
	 Skin: Based on 	available data, the cl	a, the classification criteria lassification criteria are no					
	F- Specific target org	an toxicity (STOT) - s	single exposure:					
	Based on available	e data, the classificat	tion criteria are not met					
	G- Specific target org	an toxicity (STOT)-re	epeated exposure:					
		available data, the cl)-repeated exposure: Base lassification criteria are no		ta, the classification criteria are r	not met		
	Based on available data, the classification criteria are not met							
		e data, the classificat						
	Other information:	e data, the classifical						
	Other information: Non-applicable							
	Other information:							
	Other information: Non-applicable							
	Other information: Non-applicable Specific toxicology i Not available	information on the s						
	Other information: Non-applicable Specific toxicology i	information on the s nate (ATE mix):			Ingredient(s) of unknown to	xicity		
	Other information: Non-applicable Specific toxicology i Not available	information on the s nate (ATE mix): ATI	substances:		Ingredient(s) of unknown tox Non-applicable	xicity		
	Other information: Non-applicable Specific toxicology i Not available Acute Toxicity Estim	information on the s nate (ATE mix): AT	substances: E mix		2 11	xicity		
	Other information: Non-applicable Specific toxicology i Not available Acute Toxicity Estim Oral Dermal Inhalation	information on the s nate (ATE mix): ATT >2000 >2000 >20 mg	substances: E mix mg/kg (Calculation method)		Non-applicable	xicity		
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1.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estim Oral Dermal Inhalation Information on other Endocrine disrupting	information on the s nate (ATE mix): ATI >2000 >2000 >20 mg r hazards: g properties	E mix mg/kg (Calculation method) mg/kg (Calculation method)		Non-applicable Non-applicable	xicity		
1.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estim Oral Dermal Inhalation Information on other Endocrine disrupting	information on the s nate (ATE mix): ATI >2000 >2000 >20 mg r hazards: g properties	E mix mg/kg (Calculation method) mg/kg (Calculation method) g/L (4 h) (Calculation method)		Non-applicable Non-applicable	xicity		
1.2	Other information: Non-applicable Specific toxicology i Not available Acute Toxicity Estim Oral Dermal Inhalation Information on other Endocrine disrupting	information on the s nate (ATE mix): ATI >2000 >2000 >20 mg r hazards: g properties	E mix mg/kg (Calculation method) mg/kg (Calculation method) g/L (4 h) (Calculation method)		Non-applicable Non-applicable	xicity		
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EC ¹ ne ex 2.1	Other information: Non-applicable Specific toxicology i Not available Acute Toxicity Estim Oral Dermal Inhalation Information on other Endocrine disrupting Other information Non-applicable TION 12: ECOLOG xperimental information Toxicity: Not available Persistence and deg	information on the senate (ATE mix): ATT >2000 >2000 >20 mg r hazards: g properties properties: The produ ICAL INFORMATI n related to the eco-to	SubStances: TE mix mg/kg (Calculation method) mg/kg (Calculation method) g/L (4 h) (Calculation method) uct fails to meet the criteria		Non-applicable Non-applicable Non-applicable	xicity		
EC ¹ ne ex 2.1 2.2	Other information: Non-applicable Specific toxicology in Not available Acute Toxicity Estim Oral Dermal Inhalation Information on other Endocrine disrupting Other information Non-applicable TION 12: ECOLOG xperimental information Toxicity: Not available Persistence and deg Not available	information on the senate (ATE mix): ATT >2000 >2000 >2000 >2000 >2000 >2000 >2000 >2000 >2000 >2000 >20000 properties The product ICAL INFORMATION In related to the eco-to gradability:	SubStances: TE mix mg/kg (Calculation method) mg/kg (Calculation method) g/L (4 h) (Calculation method) uct fails to meet the criteria		Non-applicable Non-applicable Non-applicable	xicity		
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EC ⁻ he e: 2.1 2.2	Other information: Non-applicable Specific toxicology i Not available Acute Toxicity Estim Oral Dermal Inhalation Information on other Endocrine disrupting Other information Non-applicable TION 12: ECOLOG xperimental information Non-applicable Persistence and deg Not available Bioaccumulative por Not available	information on the senate (ATE mix): ATT >2000 >2000 >2000 >2000 >2000 >2000 >2000 >2000 >2000 >2000 >20000 properties The product ICAL INFORMATION In related to the eco-to gradability:	SubStances: TE mix mg/kg (Calculation method) mg/kg (Calculation method) g/L (4 h) (Calculation method) uct fails to meet the criteria		Non-applicable Non-applicable Non-applicable	xicity		
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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:

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



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SECTION 14:	TRANSPORT INFORMATION	N (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	
14.4	Labels: Packing group:	Non-applicable Non-applicable	
14.4	Marine pollutant:	Non-applicable	3
14.5	Special precautions for user	INU	
14.0	Special regulations:	Non-applicable	3
	EmS Codes:		
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Non-applicable	Ś
	Segregation group:	Non-applicable	3
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	9
14.2	UN proper shipping name:	Non-applicable	e
14.3	Transport hazard class(es):	Non-applicable	e
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	3
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	9

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).



Printing: 15/06/2023	Date of compilation: 22/06/2022	Version: 1
SECTION 16: OTH	HER INFORMATION (continued)	
Modifications		sheet which concerns the ways of managing risks.:
The phrases ir individual com	ponents which appear in section 3	on 3:
Non-applicable Classification	procedure:	
	<mark>d to training:</mark> ommended in order to prevent industrial	risks for staff using this product and to facilitate their comprehension and
Principal bibl http://echa.eur		abel on the product.
	uropa.eu s and acronyms: n agreement concerning the internation:	al carriage of dangerous goods by road
IMDG: Interna IATA: Internati	tional maritime dangerous goods code onal Air Transport Association ional Civil Aviation Organisation	
COD: Chemica BOD5: 5day b BCF: Bioconce	al Oxygen Demand iochemical oxygen demand entration factor	
EC50: Effectiv	Jose 50 Concentration 50 e concentration 50 anolwater partition coefficient	
Koc: Partition UFI: unique fo	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



Printing: 15/06/2023

1.1	Product identifier:	RNA Elution Buffer	
	Other means of identification	on:	
	REB, VEB, ELB, VELB		
1.2	Relevant identified uses of	the substance or mixture and uses advised against:	
	Relevant uses: Research use		
	Uses advised against: All use	es not specified in this section or in section 7.3	
1.3	Details of the supplier of the safety data sheet:		
	Oxford Nanopore Technologie Gosling Building, Edmund Ha OX4 4DQ Oxford - Oxon - En Phone: +44 (0)845 034 7900 http://www.nanoporetech.com	illey Road, Oxford Science Park gland - Fax: +44 (0)845 034 7901	
1.4	Emergency telephone num	ber: +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



Printing: 15/06/2023

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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SECTION 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.

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

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				



RNA Elution Buffer

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SEC

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CATI		Replace before any evidence of deterioration. F periods of prolonged exposure to the product f professional/industrial users CE III is recommended, in accordance with the regulatic in EN ISO 6529:2013, EN 150 6530:2005, EN 1 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:	Not available
Odour:	Not available
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:	1034 kg/m ³
Relative density at 20 °C:	1,034
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 °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 inform	nation property of its hazards.



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SEC	TION 9: PHYSICAL AND CHEMICAL PROPE	RTIES (continued)
	Upper flammability limit:	Non-applicable *
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable
9.2	Other information:	
	Information with regard to physical hazard class	es:
	Explosive properties:	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:	Non-applicable *
	*Not relevant due to 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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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
- C- 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
- D- 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:
 - 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 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	
Oral >2000 mg/kg (Calculation method)		Non-applicable
Dermal	Dermal >2000 mg/kg (Calculation method)	
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

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:	TRANSPORT INFORMATION	l (continued)
14.1 14.2 14.3	UN number or ID number: UN proper shipping name:	Non-applicable Non-applicable
14.3	Transport hazard class(es): Labels:	Non-applicable 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 14.5	Packing group: Environmental hazards:	Non-applicable
14.5	Special precautions for user	INU
. 4.0	Physico-Chemical properties:	see section 9
14.7	Maritime transport in bulk	Non-applicable
14.7	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

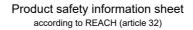
15.2 Chemical safety assessment:

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).





Printing: 15/06/2023

SECTION 16: OTHER INFORMATION (continued)
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:
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 bibliographical sources:
http://echa.europa.eu
http://eur-lex.europa.eu
Abbreviations 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 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 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.



RNA Flush Tether

		THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
.1	Product identifier:	RNA Flush Tether
	Other means of identification:	
	RFT	
1.2	Relevant identified uses of the	substance or mixture and uses advised against:
	Relevant uses: Research use	
	Uses advised against: All uses n	t specified in this section or in section 7.3
1.3	Details of the supplier of the sa	fety data sheet:
	Oxford Nanopore Technologies Gosling Building, Edmund Halley	Road, Oxford Science Park
	OX4 4DQ Oxford - Oxon - Engla	
	Phone: +44 (0)845 034 7900 - Fa http://www.nanoporetech.com/	K: +44 (0)845 034 7901
1.4		+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:

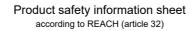
Consult a doctor in case of discomfort showing the SDS for the product.

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



RNA Flush Tether

Printing: 15/06/2023 Date of compilation: 15/06/2023 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:



RNA Flush Tether

rinting	: 15/06/2023 Date of compilation: 15/06/2023 Version: 1						
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:						
0.1	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:

NANOPORE

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 Ē	Body protection				



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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 emerge	ency measures			·		

It is not necessary to take additional emergency measures.

Environmental exposure controls:

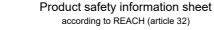
In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

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:	Not available				
Odour:	Not available				
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:	1031,9 kg/m ³				
Relative density at 20 °C:	1,032				
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 in	*Not relevant due to the nature of the product, not providing information property of its hazards.				



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SEC	TION 9: PHYSICAL AND CHEMICA	PROPERTIES (continued)
	Upper flammability limit:	Non-applicable *
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable
9.2	Other information:	
	Information with regard to physical has	ard classes:
	Explosive properties:	Non-applicable *
	Oxidising properties:	Non-applicable *
	Corrosive to metals:	Non-applicable *
	Heat of combustion:	Non-applicable *
	Aerosols-total percentage (by mass) of fla components:	mmable Non-applicable *
	Other safety characteristics:	
	Surface tension at 20 °C:	Non-applicable *
	Refraction index:	Non-applicable *
	*Not relevant due to the nature of the product, not	roviding 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

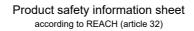
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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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SECT	TION 11: TO	KICOLOGICAL II	NFORMATION (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 eyes: Base	ed on available data	the classification criteria , the classification criteri xicity to reproduction):		
	IARC: No - Mutager	on-applicable nicity: Based on ava uctive toxicity: Base	ilable data, the clas	lassification criteria are r sification criteria are not the classification criteria	t met	
	- Skin: Ba	ised on available da		ification criteria are not r n criteria are not met sure:	met	
	Based on a	available data, the c	lassification criteria	are not met		
	G- Specific tar	rget organ toxicity (STOT)-repeated exp	oosure:		
 Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification cr Skin: Based on available data, the classification criteria are not met H- Aspiration hazard: Based on available data, the classification criteria are not met 					ilable data, the classification criteria are not met	
	Other informa	ation:				
	Non-applicable					
	Specific toxic	ology information	on the substances	:		
	Not available					
	Acute Toxicit	y Estimate (ATE m	iix):			
			ATE mix		Ingredient(s) of unknown toxicity	
	Oral		>2000 mg/kg (Calcu	lation method)	Non-applicable	
	Dermal		>2000 mg/kg (Calcu	lation method)	Non-applicable	
	Dermai					
	Inhalation		>20 mg/L (4 h) (Calc	ulation method)	Non-applicable	
1.2	Inhalation	n other hazards:	>20 mg/L (4 h) (Calc	culation method)	Non-applicable	
1.2	Inhalation Information o	n other hazards: srupting properties		sulation method)	Non-applicable	
1.2	Inhalation Information o Endocrine dis	srupting properties			Non-applicable	
1.2	Inhalation Information o Endocrine dis	srupting properties	5		Non-applicable	
1.2	Inhalation Information o Endocrine dis Endocrine-disr Other informa	srupting properties upting properties: T ation	5		Non-applicable	
1.2	Inhalation Information o Endocrine dis	srupting properties upting properties: T ation	5		Non-applicable	
1.2	Inhalation Information o Endocrine dis Endocrine-disr Other informa Non-applicable	srupting properties upting properties: T ation	The product fails to n		Non-applicable	

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					
Transport of dangerous goods by sea:							
With regard to IMDG 40-20:							



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SECTION 14:	TRANSPORT INFORMATION	N (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 regard 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	related to the previous Safety Data S	heet which concerns the ways of managing risks.:
Non-applicabl	e	
Texts of the I	egislative phrases mentioned in section	on 3:
The phrases in	ndicated do not refer to the product itself;	; they are present merely for informative purposes and refer to the
individual com	ponents which appear in section 3	
CLP Regulati	on (EC) No 1272/2008:	
Non-applicabl	e	
Classification) procedure:	
Non-applicabl		
Advice relate	d to training:	
Training is rec	5	risks for staff using this product and to facilitate their comprehension and abel on the product.
Principal bibl	iographical sources:	
http://echa.eu	• •	
http://eur-lex.e		
Abbreviation	s and acronyms:	
ADR: Europea	in agreement concerning the internationa	al carriage of dangerous goods by road
IMDG: Interna	tional maritime dangerous goods code	
	onal Air Transport Association	
	ional Civil Aviation Organisation	
	al Oxygen Demand	
	iochemical oxygen demand	
LD50: Lethal [entration factor	
	Concentration 50	
	e concentration 50	
	anolwater partition coefficient	
0	coefficient of organic carbon	
	rmula identifier	
IARC: Internal	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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1.1 Product identifier: RNA Ligation Adapter					
	Other means of identification	:			
	RLA				
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 Halle OX4 4DQ Oxford - Oxon - Engl Phone: +44 (0)845 034 7900 - http://www.nanoporetech.com/	ey Road, Oxford Science Park and			
1.4	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:

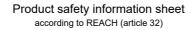
Consult a doctor in case of discomfort showing the SDS for the product.

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					

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				



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SECTION	N 8: EXPOSUR	E CONTROLS/PERS	SONAL PRO	TECTION (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 emerge	ency measures				
	It is not necessary to take additional emergency measures.					
Env	/ironmental expo	sure controls:				
				n of the environment it is formation see subsection	recommended to avoid environmental 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:	1144 kg/m³
Relative density at 20 °C:	1,144
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: PHYSICAL AND CHEMICAL PROPE	ERTIES (continued)
	Upper flammability limit:	Non-applicable *
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable
9.2	Other information:	
	Information with regard to physical hazard class	ses:
	Explosive properties:	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:	Non-applicable *
	*Not relevant due to the nature of the product, not providing info	ormation 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

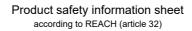
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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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ting:	15/06/2023	Date of compilation:	15/06/2023	Version: 1				
EC1	TION 11: TOX	CICOLOGICAL INFO	RMATION (co	ontinued)				
	- Corrosivi	kicity :Based on availab ty/Irritability: Based on a h the skin and the eyes	vailable data, th					
	- Contact	with the skin: Based on a with the eyes: Based on s (carcinogenicity, muta	available data, t	the classification crit	iteria are not met			
	IARC: No - Mutagen	enicity: Based on availa n-applicable icity: Based on available ctive toxicity: Based on a effects:	data, the classi	ification criteria are r	not met			
	- Skin: Ba	ory: Based on available sed on available data, th get organ toxicity (STOT	e classification	criteria are not 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 a	vailable data, the classif	ication criteria a	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	>2	000 mg/kg (Calcula	tion method)	Non-applicable			
	Dermal		000 mg/kg (Calcula		Non-applicable			
	Inhalation		0 mg/L (4 h) (Calcul	lation method)	Non-applicable			
1.2	information of	n other hazards:						
	Endocrine dis	rupting properties						
	Endocrine-disr	upting properties: The pr	oduct fails to me	eet 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 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: 1	RANSPORT INFORMATION	l (continue	d)		
	14.1 14.2	UN number or ID number: UN proper shipping name:	Non-applical Non-applical	ble		
	14.3	Transport hazard class(es): Labels:	Non-applical Non-applical			
	14.4	Packing group:	Non-applical	ble		
	14.5	Marine pollutant:	No			
	14.6	Special precautions for user Special regulations:	Non-applical	ble		
		EmS Codes: Physico-Chemical properties: Limited quantities:	see section s Non-applical	ble		
		Segregation group:	Non-applical	ble		
	14.7	Maritime transport in bulk according to IMO instruments:	Non-applical	ble		
	Transpor	t of dangerous goods by air:				
	With rega	rd to IATA/ICAO 2023:				
	14.1	UN number or ID number:	Non-applical	ble		
	14.2	UN proper shipping name:	Non-applical			
	14.3	Transport hazard class(es): Labels:	Non-applical Non-applical			
	14.4	Packing group:	Non-applical			
	14.5	Environmental hazards:	No			
	14.6	Special precautions for user				
		Physico-Chemical properties:	see section 9	9		
	14.7	Maritime transport in bulk according to IMO instruments:	Non-applical	ble		

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:
			f; they are present merely for informative purposes and refer to the
		ponents which appear in section 3	
	CLP Regulati	on (EC) No 1272/2008:	
	Non-applicabl		
	Classification		
	Non-applicabl	-	
	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	
		liographical sources:	
	http://echa.eu		
	http://eur-lex.e		
	•	s and acronyms:	
		an agreement concerning the internation	al carriage of dangerous goods by road
		itional maritime dangerous goods code	
		ional Air Transport Association	
	ICAO: Interna	tional Civil Aviation Organisation	
		al Oxygen Demand	
		biochemical oxygen demand	
	-	entration factor	
	LD50: Lethal I		
		Concentration 50	
		ve concentration 50	
		anolwater partition coefficient coefficient of organic carbon	
		ormula identifier	
		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.

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		THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier:	RT Adapter
	Other means of identification:	
	RTA	
1.2	Relevant identified uses of the s	substance or mixture and uses advised against:
	Relevant uses: Research use	
	Uses advised against: All uses not	t specified in this section or in section 7.3
1.3	Details of the supplier of the sat	fety data sheet:
	Oxford Nanopore Technologies Gosling Building, Edmund Halley I	
	OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax http://www.nanoporetech.com/	
1.4		+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 E	Body protection				

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ting: 15/06 ECTION		e of compilation: 15/06/2 E CONTROLS/PERS		ion: 1 FECTION (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 2	Additional emerge	ency measures			•		
It is not necessary to take additional emergency measures.							
Env	vironmental expo	sure controls:					
In a	ccordance with th	e community legislation f	for the protection	n 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 ºC:	2350 Pa
Vapour pressure at 50 ºC:	12381,01 Pa (12,38 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 °C:	1033,7 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	g information property of its hazards.



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SEC	SECTION 9: PHYSICAL AND CHEMICAL PROPER		ERTIES (continued)
	Upper flammability limit: Particle characteristics:		Non-applicable *
	Median equivale	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information wi	th regard to physical hazard class	Ses:
	Explosive properties:		Non-applicable *
	Oxidising prope	rties:	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:		Non-applicable *
	*Not relevant due to	o the nature of the product, not providing inf	ormation 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: TOXICOLOG	GICAL INFORMATION (continued)					
	- Acute toxicity : Bas	sed on available data, the classification criteria are	not met				
	-	ty: Based on available data, the classification criter	ria are not met				
	C- Contact with the skin	and the eyes (acute effect):					
		in: Based on available data, the classification crite					
		ves: Based on available data, the classification crite					
	D- CMR effects (carcino	genicity, mutagenicity and toxicity to reproduction):					
		ased on available data, the classification criteria are	e not met				
	IARC: Non-applicab - Mutagenicity: Base	ne Ind on available data, the classification criteria are n	ot met				
	 Reproductive toxici 	ty: Based on available data, the classification crite	ria are not met				
	E- Sensitizing effects:						
	- Respiratory: Based on available data, the classification criteria are not met						
		ailable data, the classification criteria are not met					
	F- Specific target organ	toxicity (STOT) - single exposure:					
	Based on available da	ata, the classification criteria are not met					
	G- Specific target organ	toxicity (STOT)-repeated exposure:					
		an toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met	vailable data, the classification criteria are not met				
	H- Aspiration hazard:						
		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	Ingredient(s) of unknown toxicity				
	Oral	>2000 mg/kg (Calculation method)	Non-applicable				
	Dermal Inhalation	>2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method)	Non-applicable Non-applicable				
11.2	Information on other ha	5 () (Non-applicable				
11.2							
	Endocrine disrupting pr	-					
	Endocrine-disrupting prop	perties: The product fails to meet the criteria.					
	Other information						
	Non-applicable						
	Non-applicable						
SEC	Non-applicable	LINFORMATION					
	TION 12: ECOLOGICA	L INFORMATION ated to the eco-toxicological properties of the prod	luct itself is not available				
The e	TION 12: ECOLOGICA		luct itself is not available				
The e	TION 12: ECOLOGICA		luct itself is not available				
The e 12.1	TION 12: ECOLOGICA experimental information rel Toxicity: Not available	ated to the eco-toxicological properties of the prod	luct itself is not available				
The e 12.1	TION 12: ECOLOGICA experimental information rel Toxicity: Not available Persistence and degrad	ated to the eco-toxicological properties of the prod	luct itself is not available				
The e 12.1 12.2	TION 12: ECOLOGICA experimental information rel Toxicity: Not available Persistence and degrad Not available	ated to the eco-toxicological properties of the prod	luct itself is not available				
The e 12.1 12.2	TION 12: ECOLOGICA experimental information rel Toxicity: Not available Persistence and degrad Not available Bioaccumulative potent	ated to the eco-toxicological properties of the prod	luct itself is not available				
The e 12.1 12.2 12.3	TION 12: ECOLOGICA experimental information rel Toxicity: Not available Persistence and degrad Not available Bioaccumulative potent Not available	ated to the eco-toxicological properties of the prod	luct itself is not available				
The e 12.1 12.2 12.3	TION 12: ECOLOGICA experimental information rel Toxicity: Not available Persistence and degrad Not available Bioaccumulative potent Not available Mobility in soil:	ated to the eco-toxicological properties of the prod	luct itself is not available				
The e 12.1	TION 12: ECOLOGICA experimental information rel Toxicity: Not available Persistence and degrad Not available Bioaccumulative potent Not available	ated to the eco-toxicological properties of the prod	luct itself is 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	N (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	New englished	
	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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SEC	TION 16: OT	HER INFORMATION (continued)	
	Modifications		heet which concerns the ways of managing risks.:
		egislative phrases mentioned in section	
		ndicated do not refer to the product itself	they are present merely for informative purposes and refer to the
	CLP Regulati	ion (EC) No 1272/2008:	
	Non-applicabl		
	Classification	•	
	Non-applicabl		
	Advice relate		violes for staff using this graduat and to facilitate their some relation and
	interpretation	risks for staff using this product and to facilitate their comprehension and abel on the product.	
	•	liographical sources:	
	http://echa.eu http://eur-lex.e		
		s and acronyms:	
		an agreement concerning the internation	al carriage of dangerous goods by road
		ational maritime dangerous goods code ional Air Transport Association	
		tional Civil Aviation Organisation	
		al Oxygen Demand	
	BOD5: 5day b	biochemical oxygen demand	
	-	entration factor	
	LD50: Lethal I	Dose 50 Concentration 50	
		ve concentration 50	
		anolwater partition coefficient	
	Koc: Partition	coefficient of organic carbon	
		ormula identifier	
	IARC: Internat	tional Agency for Research on Cancer	
L			

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

Sequencing Buffer / RNA Running Buffer

SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING					
.1	Product identifier: Sequencing Buffer / RNA Running Buffer					
	Other means of identification:					
	SQB, RRB, SB					
.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)					
	TION 2: HAZARDS IDENTIFICATION					
SEC						
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	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 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:					
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	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: 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

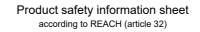
4.1 Description of first aid measures:

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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Printing:	5/06/2023 Date of compilation: 14/03/2022 Revised: 08/04/2022 Version: 2 (Replaced 1)							
SEC	ION 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	ION 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.							
050								
SEC	ION 6: ACCIDENTAL RELEASE MEASURES							
6.1	Personal precautions, protective equipment and emergency procedures:							
	For non-emergency personnel:							
	solate 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:							
6.4	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. Reference to other sections:							
	See sections 8 and 13.							

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SEC	TION 7: HAN	DLING AN	ID STORAGE		
7.1	Precautions f	or safe han	dling:		
	A General pr	ecautions fo	or safe use		
	Maintain o	rder, cleanlir	nt legislation concerning the ness and dispose of using s ations for the prevention of	afe methods (section 6).	s with regards manually handling weights.
It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affe products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene					
	Do not eat	or drink dur	ing the process, washing h	ands afterwards with suitable	e cleaning products.
	D Technical	recommenda	ations to prevent environme	ental risks	
	It is not ne	cessary to ta	ake special measures to pre	event environmental risks. Fo	or more information see subsection 6.2
7.2	Conditions fo	r safe stora	age, including any incomp	patibilities:	
	A Technical	measures fo	or storage		
	Maximum	time:	12 Months		
	B General co	onditions for	storage		
	Avoid sour	ces of heat,	radiation, static electricity a	and contact with food. For ac	ditional information see subsection 10.5
7.3	Specific end	use(s):			
	Except for the product.	instructions	already specified it is not n	ecessary to provide any spe	cial recommendation regarding the uses of this
SEC	TION 8: EXP	OSURE C	ONTROLS/PERSONAI	PROTECTION	
8.1	Control parar	neters:			
	legislation):			e to be monitored in the work for the substances containe	place (European OEL, not country-specific

I here 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.
Е	Body protection				

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TION 8: EXPOSURE CONTROLS/PERSO	ONAL PROT	ECTION (continue	d)
Distances	Laballing		Demender
Pictogram PPE Work clothing	Labelling CAT I	CEN Standard	Remarks Replace before any evidence of deterioration. periods of prolonged exposure to the product professional/industrial users CE III is recommended, in accordance with the regulat 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 emerge	ncy measures		
Environmental exposure controls: In accordance with the community legislation fo spillage of both the product and its container. Fo	r the protection or additional inf	of the environment it formation see subsecti	is recommended to avoid environmental on 7.1.D
TION 9: PHYSICAL AND CHEMICAL PRO	OPERTIES		
Information on basic physical and chemical For complete information see the product datas			
Appearance:			
Physical state at 20 °C:	Liquid		
Appearance:	Colori		
Colour:	Colou		
Odour:	Odou		
Odour threshold:	Non-applicable *		
Volatility:			
Boiling point at atmospheric pressure:	100 °C	C	
Vapour pressure at 20 °C:	2350	Pa	
Vapour pressure at 50 °C:	12381	l,01 Pa (12,38 kPa)	
Evaporation rate at 20 °C:		applicable *	
Product description:			
Density at 20 °C:	1105,	7 kg/m³	
Relative density at 20 °C:	1,106		
Dynamic viscosity at 20 °C:	Non-a	applicable *	
Kinematic viscosity at 20 °C:	Non-a	applicable *	
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:	Comp	letely miscible	
Decomposition temperature:	Non-a	applicable *	
Melting point/freezing point:	Non-a	applicable *	
Flammability:			
Flash Point:	Non F	lammable (>60 °C)	
Flammability (solid, gas):	Non-a	applicable *	
Autoignition temperature:	Non-a	applicable *	

Revised: 08/04/2022



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Printing	15/06/2023	Date of compilation: 14/03/2022	Revised: 08/04/2022	Version: 2 (Replaced 1)
SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPER	RTIES (continued)	
	Upper flammab	lity limit:	Non-applicable *	
	Particle charac	teristics:		
	Median equivale	ent diameter:	Non-applicable	
9.2	Other informat	ion:		
	Information with	th regard to physical hazard classes	5:	
	Explosive prope	rties:	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 cl	naracteristics:		
	Surface tension	at 20 °C:	Non-applicable *	
	Refraction index	C.	Non-applicable *	
	*Not relevant due to	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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nting: ⁻	15/06/2023	Date of compile	ation: 14/03/2022	Revised: 08/04/2022	Version: 2 (Replaced 1)	
SECT	TION 11: TOX		NFORMATION (continued)		
	Acute toxCorrosivi	xicity : Based on a ity/Irritability: Base	available data, the cl	assification criteria are not m the classification criteria are		
	 Contact Contact 	with the skin: Base with the eyes: Bas	ed on available data ed on available data	the classification criteria are , the classification criteria are particity to reproduction):		
	- Carcinog IARC: No - Mutagen	genicity: Based on n-applicable icity: Based on ava ctive toxicity: Base	available data, the class	classification criteria are not n ssification criteria are not met the classification criteria are		
	 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 a	vailable data, the	classification criteria	are not met		
	G- Specific tar	get organ toxicity ((STOT)-repeated ex	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					
	Based on a	vailable data, the	classification criteria	are not met		
	Based on a Other informa		classification criteria	are not met		
	Other informa	tion:	classification criteria	are not met		
	Other informa	tion:				
	Other informa Non-applicable Specific toxico	tion:	classification criteria			
	Other informa	tion:				
	Other informa Non-applicable Specific toxico Not available	tion:	n on the substance			
	Other informa Non-applicable Specific toxico Not available Acute Toxicity	tion: ology informatior	n on the substance nix): ATE mix	S:	Ingredient(s) of unknown toxicity	
	Other informa Non-applicable Specific toxico Not available Acute Toxicity Oral	tion: ology informatior	n on the substance nix): ATE mix >2000 mg/kg (Calcu	S: Ilation method)	Non-applicable	
	Other informa Non-applicable Specific toxico Not available Acute Toxicity Oral Dermal	tion: ology informatior	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu	s: Ilation method)	Non-applicable Non-applicable	
1.2	Other informa Non-applicable Specific toxico Not available Acute Toxicity Oral Dermal Inhalation	tion: ology informatior	n on the substance nix): ATE mix >2000 mg/kg (Calcu	s: Ilation method)	Non-applicable	
1.2	Other informal Non-applicable Specific toxico Not available Acute Toxicity Oral Dermal Inhalation	tion: ology informatior / Estimate (ATE n n other hazards:	n on the substance nix): ATE mix >2000 mg/kg (Calco >20 mg/L (4 h) (Calco >20 mg/L (4 h) (Calco	s: Ilation method)	Non-applicable Non-applicable	
11.2	Other informa Non-applicable Specific toxico Not available Acute Toxicity Oral Dermal Inhalation Information or Endocrine dis	tion: ology information / Estimate (ATE n n other hazards: rupting propertie	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Cal s	S: Ilation method) Ilation method) culation method)	Non-applicable Non-applicable	
11.2	Other informal Non-applicable Specific toxico Not available Acute Toxicity Oral Dermal Inhalation Information or Endocrine dist	tion: ology information / Estimate (ATE n n other hazards: rupting properties:	n on the substance nix): ATE mix >2000 mg/kg (Calco >20 mg/L (4 h) (Calco >20 mg/L (4 h) (Calco	S: Ilation method) Ilation method) culation method)	Non-applicable Non-applicable	
1.2	Other information of the second secon	tion: ology information / Estimate (ATE n n other hazards: rupting propertie upting properties: tion	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Cal s	S: Ilation method) Ilation method) culation method)	Non-applicable Non-applicable	
1.2	Other informal Non-applicable Specific toxico Not available Acute Toxicity Oral Dermal Inhalation Information or Endocrine dist	tion: ology information / Estimate (ATE n n other hazards: rupting propertie upting properties: tion	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Cal s	S: Ilation method) Ilation method) culation method)	Non-applicable Non-applicable	
11.2	Other information of the second secon	tion: ology information / Estimate (ATE n n other hazards: rupting propertie upting properties: tion	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Cal s	S: Ilation method) Ilation method) culation method)	Non-applicable Non-applicable	
SECT	Other information of the second secon	tion: ology information / Estimate (ATE n n other hazards: rupting propertie upting properties: tion	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Cal s The product fails to n DRMATION	S: Jation method) Jation method) culation method) meet the criteria.	Non-applicable Non-applicable Non-applicable	
SECT	Other information of the second secon	tion: ology information y Estimate (ATE n s other hazards: rupting properties: tion	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Cal s The product fails to n DRMATION	S: Ilation method) Ilation method) culation method)	Non-applicable Non-applicable Non-applicable	
SECT	Other information of the second secon	tion: ology information y Estimate (ATE n s other hazards: rupting properties: tion	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Cal s The product fails to n DRMATION	S: Jation method) Jation method) culation method) meet the criteria.	Non-applicable Non-applicable Non-applicable	
SECT	Other information of the second secon	tion: ology information y Estimate (ATE n s other hazards: rupting properties: tion	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >20 mg/L (4 h) (Cal s The product fails to n DRMATION	S: Jation method) Jation method) culation method) meet the criteria.	Non-applicable Non-applicable Non-applicable	
SECT The ex 12.1	Other informal Non-applicable Specific toxico Not available Acute Toxicity Oral Dermal Inhalation Information or Endocrine-dist Other informat Non-applicable TION 12: ECC xperimental infor Toxicity: Not available	tion: ology information y Estimate (ATE n s other hazards: rupting properties: tion	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >200 mg/k (Calcu >200 mg/k (Calcu >20 mg/L (4 h) (Cal s The product fails to n DRMATION the eco-toxicologica	S: Jation method) Jation method) culation method) meet the criteria.	Non-applicable Non-applicable Non-applicable	
SECT The ex 12.1	Other informal Non-applicable Specific toxico Not available Acute Toxicity Oral Dermal Inhalation Information or Endocrine-dist Other informat Non-applicable TION 12: ECC xperimental infor Toxicity: Not available	tion: ology information v Estimate (ATE n stimate (ATE n context) n other hazards: rupting properties: tion	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >200 mg/k (Calcu >200 mg/k (Calcu >20 mg/L (4 h) (Cal s The product fails to n DRMATION the eco-toxicologica	S: Jation method) Jation method) culation method) meet the criteria.	Non-applicable Non-applicable Non-applicable	
SECT The ex 12.1 12.2	Other information of the second secon	tion: ology information y Estimate (ATE n s estimate (ATE n c estimate (ATE n) c e	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >200 mg/k (Calcu >200 mg/k (Calcu >20 mg/L (4 h) (Cal s The product fails to n DRMATION the eco-toxicologica	S: Jation method) Jation method) culation method) meet the criteria.	Non-applicable Non-applicable Non-applicable	
ECT he ex 2.1 2.2	Other informat Non-applicable Specific toxico Not available Acute Toxicity Oral Dermal Inhalation Information or Endocrine-dist Other informat Non-applicable TION 12: ECC xperimental infor Toxicity: Not available Persistence at Not available	tion: ology information y Estimate (ATE n s estimate (ATE n c estimate (ATE n) c e	n on the substance nix): ATE mix >2000 mg/kg (Calcu >2000 mg/kg (Calcu >200 mg/k (Calcu >200 mg/k (Calcu >20 mg/L (4 h) (Cal s The product fails to n DRMATION the eco-toxicologica	S: Jation method) Jation method) culation method) meet the criteria.	Non-applicable Non-applicable Non-applicable	

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

Date of compilation: 14/03/2022

Sequencing Buffer / RNA Running Buffer

Prin	ting:	15/06/2023	Date of compilation: 14/03/2022	Revised: 08/04/2022	Version: 2 (Replaced 1)	
S	SEC	TION 12: ECC	DLOGICAL INFORMATION (conti	inued)		
		Product fails to	meet PBT/vPvB criteria			
1	2.6	Endocrine dis	rupting properties:			
		Endocrine-disru	upting properties: The product fails to m	neet the criteria.		
1	2.7	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)			
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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NANOPORE

Printing:	15/06/2023	Date of compilation: 14/03/2022	Revised: 08/04/2022	Version: 2 (Replaced 1)
SEC	TION 16: OT	HER INFORMATION (continued	d)	
	COMPOSITIC · Removed :	s related to the previous Safety Data DN/INFORMATION ON INGREDIENTS substances ne 5´-triphosphate (56-65-5)		ways of managing risks.:
	Texts of the I The phrases i individual com CLP Regulati	egislative phrases mentioned in se ndicated do not refer to the product its aponents which appear in section 3 ion (EC) No 1272/2008:		or informative purposes and refer to the
		n procedure: e ed to training:	rial risks for staff using this pro	oduct and to facilitate their comprehension and
	interpretation	of this safety data sheet, as well as th liographical sources: ropa.eu		·
	ADR: Europea IMDG: Interna	s and acronyms: an agreement concerning the internati ational maritime dangerous goods cod ional Air Transport Association	onal carriage of dangerous go e	oods by road
	COD: Chemic BOD5: 5day b BCF: Bioconc LD50: Lethal I	tional Civil Aviation Organisation al Oxygen Demand biochemical oxygen demand entration factor Dose 50 Concentration 50		
	EC50: Effectiv LogPOW: Oct Koc: Partition UFI: unique fo	ve concentration 50 anolwater partition coefficient coefficient of organic carbon ormula identifier tional Agency for Research on Cancel	r	

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: 08/04/2022

Wash Buffer

		OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier:	Wash Buffer
	Other means of identification:	
	WSB	
1.2	Relevant identified uses of the	e substance or mixture and uses advised against:
	Relevant uses: Research use	
	Uses advised against: All uses i	not specified in this section or in section 7.3
1.3	Details of the supplier of the s	safety data sheet:
	Oxford Nanopore Technologies Gosling Building, Edmund Halle OX4 4DQ Oxford - Oxon - Engla Phone: +44 (0)845 034 7900 - F http://www.nanoporetech.com/	and
1.4		r: +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				

Wash Buffer

nting: 15/0 SECTIO		e of compilation: 15/06// E CONTROLS/PER		ion: 1 ECTION (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.
	Additional emerge	-			
	It is not necessary	to take additional emer	gency measures		
	It is not necessary		gency measures		

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 ºC:	Non-applicable *
Product description:	
Density at 20 °C:	1118,1 kg/m³
Relative density at 20 °C:	1,118
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 inform	ation property of its hazards.

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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROP	ERTIES (continued)
	Upper flammabi	lity limit:	Non-applicable *
	Particle charac	teristics:	
	Median equivale	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information wit	th regard to physical hazard clas	ises:
	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 ch	naracteristics:	
	Surface tension	at 20 °C:	Non-applicable *
	Refraction index	ς.	Non-applicable *
	*Not relevant due to	o the nature of the product, not providing in	formation 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/Irritabi	ased on available data, the classification criteria a ility: Based on available data, the classification crit n 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 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 Sensitizing effects: 						
	- Skin: Based on a	ed on available data, the classification criteria are vailable data, the classification criteria are not met n toxicity (STOT) - single exposure:					
		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						
	Not available Acute Toxicity Estimate (ATE mix):						
		te (ATE mix):					
		te (ATE mix):	Ingredient(s) of unknown toxicity				
		· ·	Ingredient(s) of unknown toxicity Non-applicable				
	Acute Toxicity Estima Oral Dermal	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method)	Non-applicable Non-applicable				
11.2	Acute Toxicity Estima Oral	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method)	Non-applicable				
11.2	Acute Toxicity Estima Oral Dermal Inhalation Information on other h Endocrine disrupting	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards:	Non-applicable Non-applicable				
	Acute Toxicity Estima Oral Dermal Inhalation Information on other h Endocrine disrupting pro Other information	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) mazards: properties operties: The product fails to meet the criteria.	Non-applicable Non-applicable				
SEC.	Acute Toxicity Estima Oral Dermal Inhalation Information on other h Endocrine disrupting pro Other information Non-applicable	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) mazards: properties operties: The product fails to meet the criteria.	Non-applicable Non-applicable Non-applicable				
SEC.	Acute Toxicity Estima Oral Dermal Inhalation Information on other h Endocrine disrupting pro Other information Non-applicable	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties operties: The product fails to meet the criteria. CAL INFORMATION	Non-applicable Non-applicable Non-applicable				
SEC The e	Acute Toxicity Estima Oral Dermal Inhalation Information on other h Endocrine disrupting pro Other information Non-applicable	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) hazards: properties operties: The product fails to meet the criteria. CAL INFORMATION	Non-applicable Non-applicable Non-applicable				
SEC The e	Acute Toxicity Estimation Oral Dermal Inhalation Information on other fr Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIC experimental information re Toxicity:	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) nazards: properties operties: The product fails to meet the criteria. CAL INFORMATION elated to the eco-toxicological properties of the product faile product faile properties of the product faile product properties of the product faile product properties of the product faile product product faile product product product faile product	Non-applicable Non-applicable Non-applicable				
SEC The e 12.1	Acute Toxicity Estima Oral Dermal Inhalation Information on other fr Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIC experimental information re Toxicity: Not available	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) nazards: properties operties: The product fails to meet the criteria. CAL INFORMATION elated to the eco-toxicological properties of the product faile product faile properties of the product faile product properties of the product faile product properties of the product faile product product faile product product product faile product	Non-applicable Non-applicable Non-applicable				
SEC The e 12.1	Acute Toxicity Estima Oral Dermal Inhalation Information on other h Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIO experimental information r Toxicity: Not available Persistence and degra	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) nazards: properties operties: The product fails to meet the criteria. CAL INFORMATION elated to the eco-toxicological properties of the product fails to the produ	Non-applicable Non-applicable Non-applicable				
SEC The e 12.1 12.2	Acute Toxicity Estimation Oral Dermal Inhalation Information on other fr Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIC experimental information re Toxicity: Not available Persistence and degrat	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) nazards: properties operties: The product fails to meet the criteria. CAL INFORMATION elated to the eco-toxicological properties of the product fails to the produ	Non-applicable Non-applicable Non-applicable				
SEC The e 12.1 12.2	Acute Toxicity Estima Oral Dermal Inhalation Information on other In Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIO experimental information re Toxicity: Not available Persistence and degra Not available Bioaccumulative poter Not available	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) nazards: properties operties: The product fails to meet the criteria. CAL INFORMATION elated to the eco-toxicological properties of the product fails to the produ	Non-applicable Non-applicable Non-applicable				
SEC The e 12.1 12.2 12.3	Acute Toxicity Estima Oral Dermal Inhalation Information on other h Endocrine disrupting pro Other information Non-applicable TION 12: ECOLOGIC experimental information r Toxicity: Not available Persistence and degra Not available Bioaccumulative pote	ATE mix >2000 mg/kg (Calculation method) >2000 mg/kg (Calculation method) >20 mg/L (4 h) (Calculation method) nazards: properties operties: The product fails to meet the criteria. CAL INFORMATION elated to the eco-toxicological properties of the product fails to the produ	Non-applicable Non-applicable Non-applicable				

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	N (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:	Non-applicable	
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Non-applicable	
	Segregation group:	Non-applicable	
14.7		Non-applicable	
14.7	according to IMO instruments:		
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).



Wash Buffer

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SECTION 16: OTH	HER INFORMATION (continued)		
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: 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 bibliographical sources:			
http://echa.eur http://eur-lex.e	uropa.eu		
Abbreviations 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			
COD: Chemical Oxygen Demand BOD5: 5day biochemical oxygen demand BCF: Bioconcentration factor			
LD50: Lethal Dose 50 LC50: Lethal Concentration 50			
LogPOW: Octa	EC50: Effective concentration 50 LogPOW: Octanolwater partition coefficient Koc: Partition coefficient of organic carbon		
UFI: unique fo	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 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