

Adapter Buffer / Rapid Dilution Buffer

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SEC	TION T. IDENTIFICATION			THE COMPANY/UNDERTAKING
1.1	Product identifier:		fer / Rapid Dilution Buffer	
	Other means of identification	:		
	ADB, RDB			
1.2	Relevant identified uses of the	e substance or mixtu	ire and uses advised agair	nst:
	Relevant uses: Research use of	only		
	Uses advised against: All uses	not specified in this se	ction or in section 7.3	
1.3	Details of the supplier of the	safety data sheet:		
	Oxford Nanopore Technologies Gosling Building, Edmund Hall OX4 4DQ Oxford - Oxon - Eng Phone: +44 (0)845 034 7900 - http://www.nanoporetech.com/	ey Road, Oxford Scien land		
1.4				
1.4	Emergency telephone number	er: +44 (0)845 034 79	00 (9am-5:30pm GMT)	
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SEC	TION 2: HAZARDS IDENTI Classification of the substan GB CLP Regulation:	FICATION ce or mixture:		
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SEC 2.1	TION 2: HAZARDS IDENTI Classification of the substan GB CLP Regulation: The product is not classified as Label elements: GB CLP Regulation: Hazard statements: Non-applicable Precautionary statements:	FICATION ce or mixture:	to GB CLP Regulation.	
SEC 2.1	TION 2: HAZARDS IDENTI Classification of the substan GB CLP Regulation: The product is not classified as Label elements: GB CLP Regulation: Hazard statements: Non-applicable Precautionary statements: P101: If medical advice is need P102: Keep out of reach of chi P501: Dispose of the contents	FICATION ce or mixture: s hazardous according ded, have product cont	to GB CLP Regulation.	ystem in your municipality.
SEC 2.1	TION 2: HAZARDS IDENTI Classification of the substan GB CLP Regulation: The product is not classified as Label elements: GB CLP Regulation: Hazard statements: Non-applicable Precautionary statements: P101: If medical advice is need P102: Keep out of reach of chi	FICATION ce or mixture: s hazardous according ded, have product cont	to GB CLP Regulation.	ystem in your municipality.

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, containing surfactants, enymes and glycolethers.

Components:

None of the substances contained in the mixture are above the values fixed in Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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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SEC	CTION 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
	Extinguishing media:
	Suitable 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,)
5.2	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:
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5.2 5.3	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 Special hazards arising from the substance or mixture:
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	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 Special hazards arising from the substance or mixture: Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use. 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,).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

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

For emergency responders:

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

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

It is recommended:

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

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:



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SEC	CTION 7: HANI	DLING A	ND STORAGE (continue	ed)		
	A General pro	ecautions	for safe use			
	Maintain or	der, clean	ent legislation concerning the liness and destroy using safe dations for the prevention of	e methods (section 6).	ks with regards manua	Ily handling weights.
	products. C	Consult se	transfer at a slow speed to a ction 10 for conditions and m dations on general occupatio	aterials that should be avoid		Ild affect flammable
	Do not eat	or drink d	uring the process, washing h	ands afterwards with suitab	le cleaning products.	
	D Technical r	ecommer	dations to prevent environme	ental risks		
	It is not neo	cessary to	take special measures to pre	event environmental risks. F	or more information s	ee subsection 6.2
7.2	Conditions fo	r safe sto	rage, including any incomp	patibilities:		
	A Technical r	neasures	for storage			
	Maximum t	ime:	12 Months			
	B General co	nditions fo	or storage			
	Avoid sour	ces of hea	t, radiation, static electricity a	and contact with food. For a	dditional information s	ee subsection 10.5
	0					
7.3	Specific end u	ise(s):				
7.3	-		is already specified it is not n	ecessary to provide any sp	ecial recommendation	regarding the uses of this
	Except for the product.	instructior			ecial recommendation	regarding the uses of this
	Except for the product.	instructior	as already specified it is not n		ecial recommendation	regarding the uses of this
SEC	Except for the product.	DSURE	CONTROLS/PERSONAL	PROTECTION		regarding the uses of this
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SEC	Except for the product. CTION 8: EXPO	DSURE (neters:	CONTROLS/PERSONAL pational exposure limits have xposure limits, fourth edition,	PROTECTION	kplace:	
SEC	Except for the product. CTION 8: EXPO Control param Substances wh EH40/2005 Wo Glycerol CAS: 56-81-5	DSURE (neters: nose occu orkplace ez	CONTROLS/PERSONAL pational exposure limits have xposure limits, fourth edition,	PROTECTION	kplace: Occupatic WEL (8h)	onal exposure limits
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5EC 3.1	Except for the product. CTION 8: EXPO Control param Substances wh EH40/2005 Wo Glycerol CAS: 56-81-5 Exposure con A Individual p As a prevel marking>>. protection,. information it is not kno B Respiratory	DSURE (neters: nose occu orkplace ex ortection ntative me . For more) consul ocntained own wheth y protection	CONTROLS/PERSONAL pational exposure limits have consure limits, fourth edition, Identification measures, such as personal enformation on Personal Provid the information leaflet provid d herein is a recommendation er the company has addition n	e to be monitored in the wor published 2020: protective equipment use basic Personal Protective tective Equipment (storage ded by the manufacturer. For which needs some specifi al measures at its disposal.	kplace: WEL (8h) WEL (15 min) Ve Equipment, with the , use, cleaning, mainte or more information se cation from the labour	e corresponding < <ukca mance, class of e subsection 7.1. All risk prevention services as</ukca
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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	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.



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FION 8: EXPOSURE CONTROLS/PERS	ONAL PROTECTION (continued)
E Body protection	
Pictogram PPE	Remarks
	Replace before any evidence of deterioration. For periods of prolonged expo
Work clothing	to the product for professional/industrial users CE III is recommended, ir accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EI 13688:2013, EN 464:1994.
F Additional emergency measures	
It is not necessary to take additional emerge	ency measures.
Environmental exposure controls:	
In accordance with the community legislation for	or the protection of the environment it is recommended to avoid environmental
spillage of both the product and its container. F	or additional information see subsection 7.1.D
FION 9: PHYSICAL AND CHEMICAL PR	OPERTIES
Information on basic physical and chemical	properties:
For complete information see the product datas	sheet.
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:	1143.9 kg/m³
Relative density at 20 °C:	1.144
Dynamic viscosity at 20 °C:	744.59 cP
Kinematic viscosity at 20 °C:	650.91 mm²/s
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Completely miscible
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *

- CONTINUED ON NEXT PAGE -

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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROPER	RTIES (continued)	
	Lower flammab	ility limit:	Non-applicable *	
	Upper flammab	ility limit:	Non-applicable *	
	Particle charac	cteristics:		
	Median equival	ent diameter:	Non-applicable	
9.2	Other informat	tion:		
	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 percentage (by mass) of flammable components: Other safety characteristics:		Non-applicable *	
	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 (CO), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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



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ION 11: TOXICOLOGICAL INFORMATION (continued) B- Inhalation (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 Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Concidentity: Based on available data, the classification criteria are not met Corrospenicity: Based on available data, the classification criteria are not met Con-applicable Mutagenicity: Based on available data, the classification criteria are not met Sensitizing effects: Respiratory: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Specific target organ toxicity (STOT) - single exposure: Based on available data, the classification criteria are not met Specific target organ toxicity (STOT)-repeated exposure: Specific target organ toxicity (STOT)-repeated exposure: Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria a	04/10/2022	Date of compilation: 23/05/2022	Revised: 27/05/2022	Version: 3 (Replaced 2)
 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: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Corrosivity: Based on available data, the classification criteria are not met Mutagenicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met Respiratory: Based on available data, the classification criteria are not met Specific target organ toxicity (STOT) - single exposure: Based on available data, the classification criteria are not met Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Aspiration hazard: Based on available data, the classification criteria are not met Other information: Non-applicable Specific toxicology information on the substances: Not available Atte	TION 11: TOXIC	OLOGICAL INFORMATION (continued)	
Corrosivity/Irritability: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Contact with the skin: Based on available data, the classification criteria are not met Corrosivity/Irritability: Based on available data, the classification criteria are not met Carcinogenicity: Based on available data, the classification criteria are not met ARC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met Resprinductive toxicity: Based on available data, the classification criteria are not met Sensitizing effects: Respiratory: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Specific target organ toxicity (STOT) - single exposure: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Specific target organ toxicity (STOT)-repeated exposure: Specific target organ toxicity (STOT)-repeated exposure: Specific target organ toxicity (STOT)-repeated exposure: Specific target on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on availab	B- Inhalation (acu	ite effect):		
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 Reproductive toxicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met Sensitizing effects: Respiratory: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Specific target organ toxicity (STOT) - single exposure: Based on available data, the classification criteria are not met Specific target organ toxicity (STOT)-repeated exposure: Specific toxicology information criteria are not met Strin: Based on available data, the classification criteria are not met Other information: Non-applicable Specific toxicology informat	 Corrosivity/I 	rritability: Based on available data,		
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: - Stin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3 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):	 Contact with 	n the eyes: Based on available data	, the classification criteria a	
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G- Specific target organ toxicity (STOT)-repeated exposure: - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. 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): Ingredient(s) of unknown toxicit	- Skin: Based	on available data, the classification	n criteria are not met	
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Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. H- Aspiration hazard: Based on available data, the classification criteria are not met Other information: Non-applicable Specific toxicology information on the substances: Not available Acute Toxicity Estimate (ATE mix): Ingredient(s) of unknown toxicity	G- Specific target	organ toxicity (STOT)-repeated ex	posure:	
Other information: Non-applicable Specific toxicology information on the substances: Not available Acute Toxicity Estimate (ATE mix): ATE mix Ingredient(s) of unknown toxicition	 Skin: Based hazardous for 	on available data, the classification this effect. For more information set	n criteria are not met, as it c	
Non-applicable Specific toxicology information on the substances: Not available Acute Toxicity Estimate (ATE mix): ATE mix Ingredient(s) of unknown toxicitien	Based on avail	able data, the classification criteria	are not met	
Specific toxicology information on the substances: Not available Acute Toxicity Estimate (ATE mix): ATE mix Ingredient(s) of unknown toxicitien	Other information	1:		
Not available Acute Toxicity Estimate (ATE mix): ATE mix Ingredient(s) of unknown toxicit	Non-applicable			
Not available Acute Toxicity Estimate (ATE mix): ATE mix Ingredient(s) of unknown toxicit	Specific toxicolo	gy information on the substance	s:	
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ATE mix Ingredient(s) of unknown toxicit				
	Acute Toxicity Es			
I Non-applicable	Oral		ulation mothed)	
				Non-applicable
Dermal >5000 mg/kg (Calculation method) Non-applicable Inhalation >20 mg/L (4 h) (Calculation method) Non-applicable				

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: Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described



Adapter Buffer / Rapid Dilution Buffer

Printing: 04/10/2022 Date of compilation: 23/05/2022 Revised: 27/05/2022 Version: 3 (Replaced 2)

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Î	Code	Description	Waste class
ĺ	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:

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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 UK REACH the provisions related to waste management are stated:

UK legislation: The Waste Regulations 2011.

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:

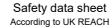
With regard to ADR 2021 and RID 2021:

marroge		
14.1	UN 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	
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to	Non-applicable
	Annex II of Marpol and the IBC	
	Code:	
Transpor	rt of dangerous goods by sea:	
With rega	rd to IMDG 40-20:	
14.1	UN number:	Nen englischle
14.1		Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	2000101	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Marine pollutant:	No
14.6	Special precautions for user	New and backle
	Special regulations:	Non-applicable
	EmS Codes:	
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
	Segregation group:	Non-applicable
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable
Transpor	rt of dangerous goods by air:	
With reas	rd to IATA/ICAO 2022	

With regard to IATA/ICAO 2022:

- CONTINUED ON NEXT PAGE -

Revised: 27/05/2022





Adapter Buffer / Rapid Dilution Buffer

Printing: 04/10/2022	Date of compilation: 23/05/	2022 Revi	sed: 27/05/2022	Version: 3 (Replaced 2)			
SECTION 14:	SECTION 14: TRANSPORT INFORMATION (continued)						
14.1	UN number:	Non-applicable					
14.2 14.3	UN proper shipping name: Transport hazard class(es): Labels:	Non-applicable Non-applicable 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	14.7 Transport in bulk according to Non-applicable Annex II of Marpol and the IBC Code:						
SECTION 15:	SECTION 15: REGULATORY INFORMATION						
15.1 Safety, he	ealth and environmental regulation	ons/legislation s	pecific for the su	ubstance or mixture:			

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Non-applicable
- Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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

GB CLP Regulation:

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:

Revised: 27/05/2022



Adapter Buffer / Rapid Dilution Buffer

Printing: 04/10/2022	Date of compilation: 23/05/2022	Revised: 27/05/2022	Version: 3 (Replaced 2)	
SECTION 16: OTH	HER INFORMATION (continued)			
IMDG: Internat IATA: Internati ICAO: Internati COD: Chemica BOD5: 5day b BCF: Bioconce LD50: Lethal C LC50: Lethal C EC50: Effectiv LogPOW: Octa Koc: Partition UFI: unique fo	an agreement concerning the internationa tional maritime dangerous goods code onal Air Transport Association tional Civil Aviation Organisation al Oxygen Demand iochemical oxygen demand entration factor Dose 50 Concentration 50 re concentration 50 anolwater partition coefficient coefficient of organic carbon rmula identifier tional Agency for Research on Cancer	al carriage of dangerous god	ods by road	

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered 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 SAFETY DATA SHEET -



Printing: 04/10/2022	Date of compilation: 22/06/2022	Version: 1
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SEC	TION 1: IDENTIFICATION O	F 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 on	ly
	Uses advised against: All uses no	ot specified in this section or in section 7.3
1.3	Details of the supplier of the sa	afety data sheet:
	Oxford Nanopore Technologies Gosling Building, Edmund Halley OX4 4DQ Oxford - Oxon - Englar Phone: +44 (0)845 034 7900 - Fa http://www.nanoporetech.com/	nd
1.4	Emergency telephone number:	: +44 (0)845 034 7900 (9am-5:30pm GMT)
SEC	TION 2: HAZARDS IDENTIFI	ICATION
2.1	Classification of the substance	e or mixture:
	GB CLP Regulation:	
	The product is not classified as h	nazardous according to GB CLP Regulation.
2.2	Label elements:	
	GB CLP Regulation:	

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 the contents and/or its container using the separate collection system in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, containing surfactants, enymes and glycolethers.

Components:

None of the substances contained in the mixture are above the values fixed in Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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 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,...). 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:

A.- General precautions for safe use



Printing: 04/10/2022 Date of compilation: 22/06/2022 Version: 1 SECTION 7: HANDLING AND STORAGE (continued) Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and destroy 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: 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 << UKCA marking>>. 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 PPF Remarks Chemical protective gloves Replace the gloves at any sign of deterioration. Mandatory hand protecti 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 PPE Pictogram Remarks Clean daily and disinfect periodically according to the manufacturer's instructions. Panoramic glasses against splash/projections. Use if there is a risk of splashing. Mandatory face protection E.- Body protection



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Flow Cell Flush

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SECTION	N 8: EXPOSU	IRE CONTROLS/PERSONAL I	PROTECTION (continued)
	Pictogram	PPE	Remarks
		Work clothing	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 emer	gency measures	· · · · · · · · · · · · · · · · · · ·

It is not necessary to take additional emergency measures.

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Environmental exposure controls:

D ()

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2350 Pa
Vapour pressure at 50 °C:	12381.01 Pa (12.38 kPa)
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	1068.5 kg/m³
Relative density at 20 °C:	1.068
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:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing inform	ation property of its hazards.



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PRC	PERTIES (continued)	
	Upper flammab	ility limit:	Non-applicable *	
	Particle charac	cteristics:		
	Median equival	ent diameter:	Non-applicable	
9.2	Other informat	ion:		
	Information wi	th regard to physical hazard cla	asses:	
	Explosive prope	erties:	Non-applicable *	
	Oxidising prope	rties:	Non-applicable *	
	Corrosive to me	etals:	Non-applicable *	
	Heat of combus	stion:	Non-applicable *	
	Aerosols-total p components:	ercentage (by mass) of flammabl	e Non-applicable *	
	Other safety cl	haracteristics:		
	Surface tension	at 20 °C:	Non-applicable *	
	Refraction inde	x :	Non-applicable *	
	*Not relevant due t	o the nature of the product, not providing	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 (CO), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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):



ng: 04/10/2022	Date of compilation: 22/06/2022	Version: 1	
ECTION 11: TO	XICOLOGICAL INFORMATION (continued)	
- Corrosiv	xicity :Based on available data, the cla vity/Irritability: Based on available data, t th the skin and the eyes (acute effect):		net
- Contact	with the skin: Based on available data, with the eyes: Based on available data, ts (carcinogenicity, mutagenicity and to:	, the classification criteria are not	
IARC: No - Mutager	genicity: Based on available data, the cl on-applicable nicity: Based on available data, the class uctive toxicity: Based on available data, g effects:	sification criteria are not met	met
- Skin: Ba	tory: Based on available data, the classi ased on available data, the classification rget organ toxicity (STOT) - single expo	i criteria are not met	
Based on a	available data, the classification criteria	are not met	
G- Specific ta	rget organ toxicity (STOT)-repeated exp	oosure:	
- Skin: Ba	target organ toxicity (STOT)-repeated e ased on available data, the classification for this effect. For more information see hazard:	criteria are not met, as it does n	
Based on a	available data, the classification criteria	are not met	
Other information	ation:		
Non-applicable	e		
Specific toxic	ology information on the substances	s:	
Not available			
Acute Toxicit	y Estimate (ATE mix):		
	ATE mix		Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calcul	lation method)	Non-applicable

Inhalation	>20 mg/L (4 h) (Calculation method)

SECTION 12: ECOLOGICAL INFORMATION

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

>5000 mg/kg (Calculation method)

Non-applicable

12.1 Toxicity:

Dermal

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: Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described



Printing: 04/10/2022 Date of compilation: 22/06/2022

2 Version: 1

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
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:

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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 UK REACH the provisions related to waste management are stated:

UK legislation: The Waste Regulations 2011.

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:

wiin rega	IIU 10 ADK 2021 ANU KID 2021.	
14.1	UN 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	
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to	Non-applicable
	Annex II of Marpol and the IBC	
	Code:	
Transpo	rt of dangerous goods by sea:	
With rega	rd to IMDG 40-20:	
14.1	UN number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.2 14.3	UN proper shipping name: Transport hazard class(es):	Non-applicable Non-applicable
	Transport hazard class(es):	Non-applicable
14.3	Transport hazard class(es): Labels:	Non-applicable Non-applicable
14.3 14.4	Transport hazard class(es): Labels: Packing group:	Non-applicable Non-applicable Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant:	Non-applicable Non-applicable Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user	Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations:	Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes:	Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties:	Non-applicable Non-applicable No Non-applicable No Non-applicable see section 9
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable
14.3 14.4 14.5 14.6	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable
14.3 14.4 14.5 14.6 14.7 Transport	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable



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SECTION 14:	FRANSPORT INFORMATION	N (continued)
14.1	UN 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	Transport in bulk according to Annex II of Marpol and the IBC Code:	

SECTION 15: REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Non-applicable
 - Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended) EH40/2005 Workplace exposure limits.

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SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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

GB CLP Regulation:

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:



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SECTION 16: OTHER INFORMATION (continued)

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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered 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.



Flowcell (Flush) Tether / Priming Tether

5	: 04/10/2022 Date of compilation: 14/03/2022 Version: 1
SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: Flowcell (Flush) Tether / Priming Tether Other means of identification: FLT, PT, FT, FCT
1.2	Relevant identified uses of the substance or mixture and uses advised against: Relevant uses: Research use only
1.3	Uses advised against: All uses not specified in this section or in section 7.3 Details of the supplier of the safety data sheet:
1.5	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
	TION 2. HAZARDS IDENTIFICATION
2.1	
	Classification of the substance or mixture:
	GB CLP Regulation:
2.2	
2.2	GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation.
2.2	GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation. Label elements:
2.2	GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation. Label elements: GB CLP Regulation:
2.2	GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation. Label elements: GB CLP Regulation: Hazard statements:
	GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation. Label elements: GB CLP Regulation: 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 the contents and/or its container using the separate collection system in your municipality.
2.2	GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation. Label elements: GB CLP Regulation: 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.
	GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation. Label elements: GB CLP Regulation: 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 the contents and/or its container using the separate collection system in your municipality.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, containing surfactants, enymes and glycolethers.

Components:

None of the substances contained in the mixture are above the values fixed in Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

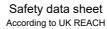
Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:

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

By skin contact:

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



Flowcell (Flush) Tether / Priming Tether

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SEC	CTION 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 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,...). 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:

A.- General precautions for safe use



Flowcell (Flush) Tether / Priming Tether

	TION 7: HANDLIN	G AND STORAGE (continued)	
	Maintain order, c	current legislation concerning the prever leanliness and destroy using safe metho mendations for the prevention of fires an	
	products. Consu	ed to transfer at a slow speed to avoid th It section 10 for conditions and materials mendations on general occupational hyg	
			, terwards with suitable cleaning products.
		mendations to prevent environmental ris	
		•	nvironmental risks. For more information see subsection 6.2
.2		storage, including any incompatibilit	
	A Technical measu		
	Maximum time:	12 Months	
	B General conditio	ns for storage	
		0	tact with food. For additional information see subsection 10.5
7.3	Specific end use(s)		
			ry to provide any special recommendation regarding the uses of this
SEC		RE CONTROLS/PERSONAL PRO	TECTION
8.1	Control parameters		
		occupational exposure limits have to be r	
		ble occupational exposure limits for the	substances contained in the product
3.2	Exposure controls:	tion measures, such as personal protecti	
	marking>>. For r protection,…) co information conta	nore information on Personal Protective nsult the information leaflet provided by t ained herein is a recommendation which hether the company has additional meas	ic Personal Protective Equipment, with the corresponding < <ukca Equipment (storage, use, cleaning, maintenance, class of the manufacturer. For more information see subsection 7.1. All needs some specification from the labour risk prevention services as sures at its disposal.</ukca
	The use of prote	ction equipment will be necessary if a mi	st forms or if the occupational exposure limits are exceeded.
	C Specific protection	on for the hands	
	Pictogram	PPE	Remarks
	Mandatory hand protection	Chemical protective gloves	Replace the gloves at any sign of deterioration.
	As the product is	d has therefore to be checked prior to th	sistance of the glove material can not be calculated in advance with e application.
	Pictogram	PPE	Remarks
			Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
		Panoramic glasses against splash/projections.	Ose il there is a fisk of splastillig.
	Mandatory face protection E Body protection	Panoramic glasses against splash/projections.	Use il ulere is a fisk of spiasning.



Flowcell (Flush) Tether / Priming Tether

)1	TION 8: EXPOSURE CONTROLS/PI	ERSONAL PRO	DTECTION (continued)
	Pictogram PP	E	Remarks
	Work cl	othing	Replace before any evidence of deterioration. For periods of prolonged exposite 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 13688:2013, EN 464:1994.
	F Additional emergency measures		
	It is not necessary to take additional er	mergency measur	es.
	Environmental exposure controls:		
	-		ion of the environment it is recommended to avoid environmental information see subsection 7.1.D
7	FION 9: PHYSICAL AND CHEMICAL		3
	Information on basic physical and cher	nical properties:	
	For complete information see the product		
	Appearance:		
	Physical state at 20 °C:	Liq	uid
	Appearance:		lorless
	Colour:		t available
	Odour:		t available
	Odour threshold:		n-applicable *
	Volatility:	110	
	Boiling point at atmospheric pressure:	10(℃
	Vapour pressure at 20 °C:		50 Pa
	Vapour pressure at 50 °C:		381.01 Pa (12.38 kPa)
	Evaporation rate at 20 °C:		n-applicable *
	Product description:	110	
	Density at 20 °C:	10'	31.9 kg/m³
	Relative density at 20 °C:		32
	Dynamic viscosity at 20 °C:		n-applicable *
	Kinematic viscosity at 20 °C:		n-applicable *
	Kinematic viscosity at 40 °C:		n-applicable *
	Concentration:		n-applicable *
	pH:		n-applicable *
	Vapour density at 20 °C:		n-applicable *
	Partition coefficient n-octanol/water 20 °C:		n-applicable *
	Solubility in water at 20 °C:		n-applicable *
	•		
	Solubility properties:		mpletely miscible
	Decomposition temperature:		n-applicable *
	Melting point/freezing point:	INO	n-applicable *
	Flammability:	NI -	n Elemental (>60 9 C)
	Flash Point:	INO	n Flammable (>60 °C)

- CONTINUED ON NEXT PAGE -

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

Lower flammability limit:

Non-applicable *



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SEC	TION 9: PHYSICAL AND CHEMIC	AL PROPERTIES (continued)
	Upper flammability limit:	Non-applicable *
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable
9.2	Other information:	
	Information with regard to physical	nazard 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 components:	flammable 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, r	ot providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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):



nting: 04/10/2022 Date of compilation	n: 14/03/2022	Version: 1	
SECTION 11: TOXICOLOGICAL INF	ORMATION (cor	ntinued)	
 Acute toxicity : Based on avai Corrosivity/Irritability: Based o Contact with the skin and the eye 	n available data, the		net
 Contact with the skin: Based of Contact with the eyes: Based of D- CMR effects (carcinogenicity, mu 	on available data, th	e classification criteria are not	
 Carcinogenicity: Based on ava IARC: Non-applicable Mutagenicity: Based on availa Reproductive toxicity: Based on E- Sensitizing effects: 	ble data, the classifi	cation criteria are not met	net
 Respiratory: Based on availab Skin: Based on available data F- Specific target organ toxicity (ST 	, the classification cr	iteria are not met	
Based on available data, the clas	ssification criteria are	e not met	
G- Specific target organ toxicity (ST	OT)-repeated expos	ure:	
 Specific target organ toxicity (\$ Skin: Based on available data, hazardous for this effect. For mo H- Aspiration hazard: 	, the classification cr	iteria are not met, as it does no	a, the classification criteria are not met ot contain substances classified as
Based on available data, the clas	ssification criteria are	e not met	
Other information:			
Non-applicable			
Specific toxicology information or	n the substances:		
Not available			
Acute Toxicity Estimate (ATE mix)):		
	ATE mix		Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calculatio	on method)	Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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

>5000 mg/kg (Calculation method)

>20 mg/L (4 h) (Calculation method)

Non-applicable

Non-applicable

12.1 Toxicity:

Dermal

Inhalation

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:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described



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13.1 Waste treatment methods:

Code	Description	Waste class
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:

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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 UK REACH the provisions related to waste management are stated:

UK legislation: The Waste Regulations 2011.

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:

wiintega		
14.1	UN 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	
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to	Non-applicable
	Annex II of Marpol and the IBC	
	Code:	
Transpor	t of dangerous goods by sea:	
With rega	rd to IMDG 40-20:	
14.1	UN number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.2 14.3	UN proper shipping name: Transport hazard class(es):	
		Non-applicable
	Transport hazard class(es):	Non-applicable Non-applicable
14.3	Transport hazard class(es): Labels:	Non-applicable Non-applicable Non-applicable
14.3 14.4	Transport hazard class(es): Labels: Packing group:	Non-applicable Non-applicable Non-applicable Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant:	Non-applicable Non-applicable Non-applicable Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user	Non-applicable Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations:	Non-applicable Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities:	Non-applicable Non-applicable Non-applicable No No Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties:	Non-applicable Non-applicable Non-applicable No Non-applicable see section 9
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC	Non-applicable Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable
14.3 14.4 14.5 14.6	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable
14.3 14.4 14.5 14.6 14.7 Transpor	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC	Non-applicable Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable



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SECTION 14: TRANSPORT INFORMATION (continued)			
14.1	UN 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	Transport in bulk according to Annex II of Marpol and the IBC Code:		
	REGULATORY INFORMATIO		

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Non-applicable

- Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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

GB CLP Regulation:

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:



Flowcell (Flush) Tether / Priming Tether

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CTION 16: OTHER INFORMATION (continued)
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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered 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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.1	Product identifier: Fragmentation Mix				
	Other means of identification:				
	FRA, FDB				
1.2	Relevant identified uses of the substance or mixture and uses advised against:				
Relevant uses: Research use only					
	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:				
	Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/				
1.4	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)				
SEC	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)				
SEC	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)				
SEC	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) ION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture:				
SEC 2.1	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) ION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: GB CLP Regulation:				
SEC 2.1	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) ION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation.				
SEC 2.1	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) ION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation. Label elements:				
SEC 2.1	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) ION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation. Label elements: GB CLP Regulation:				
	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) ION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation. Label elements: GB CLP Regulation: Hazard statements:				

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, containing surfactants, enymes and glycolethers.

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identifica	lion	Chemical name/Classification	Concentration		
CAS: 56-81-5	Glycerol		25 - <50 %		
To obtain more	Fo obtain more information on the hazards of the substances consult sections 11, 12 and 16.				

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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



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SECTION 4: FIRST AID MEASURES (continued)

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

By skin contact:

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

By eye contact:

This product does not contain substances classified as hazardous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion/aspiration:

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

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

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

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

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...). Additional provisions:

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

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

For emergency responders:

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

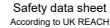
6.2 Environmental precautions:

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.



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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

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

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

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

C.- Technical recommendations on general occupational hygiene

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

D.- Technical recommendations to prevent environmental risks

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

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Maximum time: 12 Months

B.- General conditions for storage

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

7.3 Specific end use(s):

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:					
Identification	Occupational exposure limits				
Glycerol	WEL (8h)	10 mg/m ³			
CAS: 56-81-5	WEL (15 min)				

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 <<UKCA marking>>. 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	Remarks			
Mandatory hand protection	Chemical protective gloves	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.					



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SEC	TION 8: EXPOSUR	E CONTROLS/PERSONAL PF	OTECTION (continued)		
	D Eye and face prot	ection			
	Pictogram	PPE	F	Remarks	
	Mandatory face protection	Panoramic glasses against splash/projectio	Clean daily and disinfect periodically according to the manufacturer's instructions		
	E Body protection				
	Pictogram	PPE	Я	Remarks	
		Work clothing	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			
	Emergency mea	sure Standards	Emergency measure	Standards	
	Emergency sho	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4	:2011 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011	
	Environmental expo	sure controls:			
	In accordance with th spillage of both the pr	e community legislation for the prote oduct and its container. For addition	tion of the environment it is recom I information see subsection 7.1.D	mended to avoid environmental	
000		. AND CHEMICAL PROPERTIE			
9.1		c physical and chemical properties tion see the product datasheet.	:		
	Physical state at 20 °	C: Li	quid		
	Appearance:	C	olorless		
	Colour:	C	olourless		
	Odour:		dourless		
	Odour threshold:	N	on-applicable *		
	Volatility:				
	Boiling point at atmos		0° ℃		
	Vapour pressure at 20		350 Pa		
	Vapour pressure at 5 Evaporation rate at 20		12381.01 Pa (12.38 kPa)		
	Product description		on-applicable *		
	Density at 20 °C:		131.1 kg/m³		
	Relative density at 20		131		
	Dynamic viscosity at 2		on-applicable *		
	Kinematic viscosity at	: 20 °C: N	on-applicable *		
	Kinematic viscosity at	t 40 °C: N	on-applicable *		
	Concentration:	Ν	on-applicable *		
	pH:	Ν	on-applicable *		
	Vapour density at 20	°C: N	on-applicable *		
	Partition coefficient n-	-octanol/water 20 °C: N	on-applicable *		
	*Not relevant due to the na	ature of the product, not providing information	property of its hazards.		



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SECT	TION 9: PHYS	ICAL AND CHEMICAL PROPER	RTIES (continued)
	Solubility in wat	er at 20 ºC:	Non-applicable *
	Solubility prope	rties:	Completely miscible
	Decomposition	temperature:	Non-applicable *
	Melting point/fre	eezing point:	Non-applicable *
Flammability:			
	Flash Point:		Non Flammable (>60 °C)
	Flammability (se	olid, gas):	Non-applicable *
	Autoignition ten	nperature:	Non-applicable *
	Lower flammab	ility limit:	Non-applicable *
	Upper flammab	ility limit:	Non-applicable *
	Particle charac	cteristics:	
	Median equival	ent diameter:	Non-applicable
9.2	Other informat	tion:	
	Information wi	th regard to physical hazard classes	5:
	Explosive prope	erties:	Non-applicable *
	Oxidising prope	erties:	Non-applicable *
	Corrosive to me	etals:	Non-applicable *
	Heat of combus	stion:	Non-applicable *
	Aerosols-total p components:	percentage (by mass) of flammable	Non-applicable *
	Other safety cl	haracteristics:	
	Surface tension	at 20 °C:	Non-applicable *
	Refraction inde	x:	Non-applicable *
	*Not relevant due t	o the nature of the product, not providing inform	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	

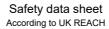
10.6 Hazardous decomposition products:

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 (CO), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION



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СТ	ION 11: TOX	ICOLOGICAL INFORMATION (continued)				
	Information on toxicological effects:						
	The experimental information related to the toxicological properties of the product itself is not available						
	Dangerous health implications:						
	In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure: A- Ingestion (acute effect):						
	 Acute tox as hazardou Corrosivit classified as 	 Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3 Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. B- Inhalation (acute effect): 					
	as hazardou - Corrosivit classified as	 Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3. Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Contact with the skin and the eyes (acute effect): 					
	 Contact v classified as Contact v classified as 	 Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3. Contact with the eyes: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Contact with the eyes: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction): 					
	 Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3. IARC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. 						
	 Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3. Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Specific target organ toxicity (STOT) - single exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for 						
	this effect. For more information see section 3. G- Specific target organ toxicity (STOT)-repeated exposure:						
	 Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Aspiration hazard: 						
	Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Other information:						
	Non-applicable						
	Specific toxico	logy information on the substance	s:				
		Identification		A	cute toxicity	Genus	
	Glycerol CAS: 56-81-5			LD50 oral LD50 dermal	12600 mg/kg Non-applicable	Rat	
	CAS. 50-01-5				New swells 11		
		Estimate (ATE mix):		LC50 inhalation	Non-applicable		



Fragmentation Mix

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)				
Oral	>5000 mg/kg (Calculat	ion method)	Non-applicable	
Dermal	>5000 mg/kg (Calculat	ion method)	Non-applicable	
Inhalation	>20 mg/L (4 h) (Calcula	ation method)	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:

Substance-specific information:

Identification	Degra	adability	Biodegradability	
Glycerol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 56-81-5	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	63 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioa	Bioaccumulation potential	
Glycerol	BCF	3	
CAS: 56-81-5	Pow Log	-1.76	
	Potential	Low	

12.4 Mobility in soil:

Identification	Absorp	tion/desorption	Volatility	
Glycerol	Кос	Non-applicable	Henry	Non-applicable
CAS: 56-81-5	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	6.516E-2 N/m (25 °C)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
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:

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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 UK REACH the provisions related to waste management are stated:

UK legislation: The Waste Regulations 2011.

SECTION 14: TRANSPORT INFORMATION



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SECTION 14:	TRANSPORT INFORMATION	l (continued)
The prod Transpo	formation: uct is not covered by international i rt of dangerous goods by land: ard to ADR 2021 and RID 2021:	regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
14.1	UN number:	Non-applicable
	UN proper shipping name: Transport hazard class(es): Labels:	Non-applicable Non-applicable Non-applicable
14.5	Packing group: Environmental hazards: Special precautions for user	Non-applicable No
	Tunnel restriction code: Physico-Chemical properties:	Non-applicable see section 9
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable
Transpo	rt of dangerous goods by sea:	
With rega	ard to IMDG 40-20:	
14.1	UN number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es): Labels:	Non-applicable Non-applicable
	Packing group:	Non-applicable
14.5 14.6	Marine pollutant: Special precautions for user Special regulations:	No Non-applicable
	EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group:	see section 9 Non-applicable Non-applicable
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable
Transpo	rt of dangerous goods by air:	
With rega	ard to IATA/ICAO 2022:	
14.1	UN number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es): Labels:	Non-applicable Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	see section 9
14.7	Physico-Chemical properties: Transport in bulk according to Annex II of Marpol and the IBC Code:	

SECTION 15: REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Non-applicable - Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable

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

Non-applicable



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SECTION 15: REGULATORY INFORMATION (continued)

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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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

GB CLP Regulation:

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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered 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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 Relevant uses: Research use only Uses advised against: All uses not specified in this section or in section 7.3 3 Details of the supplier of the safety data sheet: Oxford Nanopore Technologies Gosling Building, Edmund 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/ 4 Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) 	.1	Product identifier: Library Beads
 Relevant identified uses of the substance or mixture and uses advised against: Relevant uses: Research use only Uses advised against: All uses not specified in this section or in section 7.3 Details of the supplier of the safety data sheet: Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/ Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) 		Other means of identification:
Relevant uses: Research use only 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)		LIB
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)	1.2	Relevant identified uses of the substance or mixture and uses advised against:
 1.3 Details of the supplier of the safety data sheet: Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/ 1.4 Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) 		Relevant uses: Research use only
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)		Uses advised against: All uses not specified in this section or in section 7.3
Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/ 1.4 Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)	1.3	Details of the supplier of the safety data sheet:
1.4 Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT) SECTION 2: HAZARDS IDENTIFICATION		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
SECTION 2: HAZARDS IDENTIFICATION	1.4	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)
SECTION 2: HAZARDS IDENTIFICATION		
	SEC	TION 2: HAZARDS IDENTIFICATION
		GB CLP Regulation:

Label elements:

GB CLP Regulation:

Hazard statements:

Non-applicable

Precautionary statements:

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

The product is not classified as hazardous according to GB CLP Regulation.

P102: Keep out of reach of children.

P501: Dispose of the contents and/or its container using the separate collection system in your municipality.

2.3 Other hazards:

2.2

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, containing surfactants, enymes and glycolethers.

Components:

None of the substances contained in the mixture are above the values fixed in Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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 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,...). 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:

A.- General precautions for safe use



A Technical measures for storage Maximum time: 12 Months B General conditions for storage Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5 Specific and use(s): Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of t product. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION Stataces whose occupational exposure limits have to be monitored in the workplace: There are no applicable occupational exposure limits for the substances contained in the product 2.7 Exposure controls A. Individual protection measures, such as personal protective equipment, with the corresponding < <uk< td=""> As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<uk< td=""> Maxing>- For more information on Personal Protective Equipment, with the corresponding <<uk< td=""> As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<uk< td=""> Maxing>- For more information on Personal Protective Equipment (structure, For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention service it is not known whether the company has additional measures at its disposal. B. Respiratory protection The use of protection of the hands Piectogram<th>SEC</th><th>TION 7: HANDLIN</th><th>G AND STORAGE (continued)</th><th></th></uk<></uk<></uk<></uk<>	SEC	TION 7: HANDLIN	G AND STORAGE (continued)		
products: Consult section 10 for conditions and materials that should be avoided. C: Technical recommendations to prevent environmental risks D on deat or drink during the process, washing hands afterwards with suitable cleaning products. D. Technical recommendations to prevent environmental risks It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2 Conditions for safe storage 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 the product. Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION 8.1 Control parameters: Substances whose occupational exposure limits have to be monitored in the workplace: There are no applicable occupational exposure limits for the substances contained in the product 8.2 Exception measures its recommended to use basic Personal Protective Equipment, with the corresponding < <uk< td=""> 8.4 Individual protection measures, such as 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</uk<>		Maintain order, o	leanliness and destroy using safe metho	ds (section 6).	
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Printing: 04/10)/2022 Dat	e of compilation: 22/06/2022 Vers	sion: 1				
SECTION	SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)						
	Pictogram	PPE	Remarks				
		Work clothing	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 /	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:	1043 kg/m ³
Relative density at 20 °C:	1.043
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing inform	ation property of its hazards.



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PRC	PERTIES (continued)	
	Upper flammab	ility limit:	Non-applicable *	
	Particle charac	cteristics:		
	Median equival	ent diameter:	Non-applicable	
9.2	Other informat	ion:		
	Information wi	th regard to physical hazard cla	asses:	
	Explosive prope	erties:	Non-applicable *	
	Oxidising prope	rties:	Non-applicable *	
	Corrosive to me	etals:	Non-applicable *	
	Heat of combus	stion:	Non-applicable *	
	Aerosols-total p components:	ercentage (by mass) of flammabl	e Non-applicable *	
	Other safety cl	haracteristics:		
	Surface tension	at 20 °C:	Non-applicable *	
	Refraction inde	x :	Non-applicable *	
	*Not relevant due to the nature of the product, not providing information property of its hazards.			

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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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CTION 11: TOXICOLOGICAL INI	FORMATION (co	ontinued)				
 Corrosivity/Irritability: Based of 	 Acute toxicity : Based on available data, the classification criteria are not met Corrosivity/Irritability: Based on available data, the classification criteria are not met Contact with the skin and the eyes (acute effect): 					
 Contact with the skin: Based Contact with the eyes: Based CMR effects (carcinogenicity, m 	l on available data, t	the classification criteria are not				
 Carcinogenicity: Based on av IARC: Non-applicable Mutagenicity: Based on availa Reproductive toxicity: Based E- Sensitizing effects: 	able data, the classi	fication criteria are not met	met			
 Respiratory: Based on availal Skin: Based on available data F- Specific target organ toxicity (S1 	a, the classification o	criteria are not met				
Based on available data, the cla	Based on available data, the classification criteria are not met					
G- Specific target organ toxicity (ST	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, as it does not contain substances classified as hazardous for this effect. For more information see section 3. H- Aspiration hazard: 						
Based on available data, the cla	ssification criteria a	re not met				
Other information:						
Non-applicable						
Specific toxicology information on the substances:						
Not available						
Acute Toxicity Estimate (ATE mix	c):					
	Acute Toxicity Estimate (ATE mix). ATE mix Ingredient(s) of unknown toxicity					

SECTION 12: ECOLOGICAL INFORMATION

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

>5000 mg/kg (Calculation method)

>20 mg/L (4 h) (Calculation method)

Non-applicable

12.1 Toxicity:

Dermal

Inhalation

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: Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
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:

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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 UK REACH the provisions related to waste management are stated:

UK legislation: The Waste Regulations 2011.

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:

wiintega	IN 10 ADIX 2021 AND 11D 2021.	
14.1	UN 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	
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable
Transpor	t of dangerous goods by sea:	
With rega	rd to IMDG 40-20:	
14.1	UN 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	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable
Transpor	t of dangerous goods by air:	
With reas	rd to IATA/ICAO 2022	

With regard to IATA/ICAO 2022:



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SECTION 14:	TRANSPORT INFORMATION	N (continued)
14.1	UN 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	Transport in bulk according to Annex II of Marpol and the IBC Code:	

SECTION 15: REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Non-applicable
 - Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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

GB CLP Regulation:

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:



Safety data sheet According to UK REACH

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SECTION 16: OTHER INFORMATION (continued)

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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

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SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: Library Solution
	Other means of identification:
	LIS
1.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Research use only
	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)
L	
SEC	TION 2: HAZARDS IDENTIFICATION
2.1	Classification of the substance or mixture:

GB CLP Regulation:

The product is not classified as hazardous according to GB CLP Regulation.

2.2 Label elements:

GB CLP Regulation:

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 the contents and/or its container using the separate collection system in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, containing surfactants, enymes and glycolethers.

Components:

None of the substances contained in the mixture are above the values fixed in Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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 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,...). 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:

A.- General precautions for safe use



SEC	TION 7: HANDLIN	G AND STORAGE (continued)				
	Maintain order, o	current legislation concerning the preven cleanliness and destroy using safe method mendations for the prevention of fires and				
	products. Consu	d to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flamm 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. 				
		mendations to prevent environmental risk				
		·				
7.2			vironmental risks. For more information see subsection 6.2			
.2		e storage, including any incompatibiliti	es.			
	A Technical measure					
	Maximum time:	12 Months				
	B General conditio		test with first Foundational information and subsection 40.5			
			tact with food. For additional information see subsection 10.5			
7.3	Specific end use(s					
	product.	ictions already specified it is not necessar	y to provide any special recommendation regarding the uses of this			
SEC	TION 8: EXPOSU	RE CONTROLS/PERSONAL PRO	TECTION			
8.1	Control parameters		and the second star the second second			
		occupational exposure limits have to be m				
		able occupational exposure limits for the s	substances contained in the product			
3.2	Exposure controls					
	-	tion measures, such as personal protectiv				
	As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding < <ukca marking="">>. 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</ukca>					
		The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.				
	C Specific protection					
	Pictogram	PPE	Remarks			
			ronaro			
	Mandatory hand protection	Chemical protective gloves	Replace the gloves at any sign of deterioration.			
	•	s a mixture of several substances, the res	l istance of the glove material can not be calculated in advance with			
	total reliability ar	nd has therefore to be checked prior to the				
	D Eye and face pro	otection				
	Pictogram	PPE	Remarks			
	Mandatory face	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.			
	E Body protection	1	I			
	,					



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SECTION	8: EXPOSUR	E CONTROLS/PERSONAL PRO	TECTION (continued)
	Pictogram	PPE	Remarks
		Work clothing	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:	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/m ³
Relative density at 20 °C:	1.042
Dynamic viscosity at 20 ºC:	1.08 cP
Kinematic viscosity at 20 °C:	1.03 mm²/s
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing inform	nation property of its hazards.



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SEC	TION 9: PHYSICAL AND CH	EMICAL PROPER	RTIES (continued)
	Upper flammability limit:		Non-applicable *
	Particle characteristics:		
	Median equivalent diameter:		Non-applicable
9.2	Other information:		
	Information with regard to phy	sical hazard classes	s:
	Explosive properties:		Non-applicable *
	Oxidising properties:		Non-applicable *
	Corrosive to metals:		Non-applicable *
	Heat of combustion:		Non-applicable *
	Aerosols-total percentage (by ma components:	ass) of flammable	Non-applicable *
	Other safety characteristics:		
	Surface tension at 20 °C:		Non-applicable *
	Refraction index:		Non-applicable *
	*Not relevant due to the nature of the pr	oduct, 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 (CO), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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: TO	XICOLOGICAL INFORMATION (c	ontinued)	
- Corrosiv	oxicity :Based on available data, the cla vity/Irritability: Based on available data, t ith the skin and the eyes (acute effect):		
- Contact	with the skin: Based on available data, i with the eyes: Based on available data, ets (carcinogenicity, mutagenicity and tox	the classification criteria are	
IARC: N - Mutage	genicity: Based on available data, the cla on-applicable nicity: Based on available data, the class uctive toxicity: Based on available data, t g effects:	sification criteria are not met	
- Skin: Ba	tory: Based on available data, the classi ased on available data, the classification rget organ toxicity (STOT) - single expos	criteria are not met	
Based on	available data, the classification criteria	are not met	
G- Specific ta	rget organ toxicity (STOT)-repeated exp	osure:	
- Skin: Ba	ased on available data, the classification for this effect. For more information see	criteria are not met, as it do	e data, the classification criteria are not met es not contain substances classified as
Based on	available data, the classification criteria	are not met	
Other inform	ation:		
Non-applicabl	e		
Specific toxic	cology information on the substances	:	
Not available			
Acute Toxicit	y Estimate (ATE mix):		
	ATE mix		Ingredient(s) of unknown toxicity
Oral	>E000 mg/kg (Coloul	ation mathed)	Non applicable

	ATEINIX	ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calculation method)	Non-applicable
Dermal	>5000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	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: Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
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:

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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 UK REACH the provisions related to waste management are stated:

UK legislation: The Waste Regulations 2011.

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:

withtege		
14.1	UN 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	
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to	Non-applicable
	Annex II of Marpol and the IBC	
	Code:	
Transpo	rt of dangerous goods by sea:	
With rega	ard to IMDG 40-20:	
14.1	UN number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.2 14.3	UN proper shipping name: Transport hazard class(es):	Non-applicable Non-applicable
	Transport hazard class(es):	Non-applicable
14.3	Transport hazard class(es): Labels:	Non-applicable Non-applicable
14.3 14.4	Transport hazard class(es): Labels: Packing group:	Non-applicable Non-applicable Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant:	Non-applicable Non-applicable Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user	Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations:	Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes:	Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties:	Non-applicable Non-applicable No Non-applicable No Non-applicable see section 9
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable
14.3 14.4 14.5 14.6	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group:	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable
14.3 14.4 14.5 14.6	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable
14.3 14.4 14.5 14.6 14.7 Transpor	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable



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SECTION 14:	SECTION 14: TRANSPORT INFORMATION (continued)					
14.1	UN 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	Transport in bulk according to Annex II of Marpol and the IBC Code:					

SECTION 15: REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Non-applicable

- Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. The Chemicals (Health and Safety) and Genetically Modified Organisms (Containe

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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

GB CLP Regulation:

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:



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SECTION 16: OTHER INFORMATION (continued)

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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered 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.

Version: 1



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Printing:	: 04/10/2022 Date of compilation: 06/05/2022 Version: 1
SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: Rapid Adapter
	Other means of identification:
	RA
1.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Research use only
	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)
L	
SEC	TION 2: HAZARDS IDENTIFICATION
2.1	Classification of the substance or mixture:

GB CLP Regulation:

The product is not classified as hazardous according to GB CLP Regulation.

2.2 Label elements:

GB CLP Regulation:

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 the contents and/or its container using the separate collection system in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of organic and inorganic compounds, containing surfactants, enymes and glycolethers.

Components:

None of the substances contained in the mixture are above the values fixed in Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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 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,...). 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:

A.- General precautions for safe use



SEC	TION 7: HANDLING	GAND STORAGE (continued)					
	Maintain order, cle	urrent legislation concerning the preven eanliness and destroy using safe metho nendations for the prevention of fires an	ds (section 6).	ually handling weights.			
	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.						
		nendations to prevent environmental risl					
		/ to take special measures to prevent er		see subsection 6.2			
7.2		storage, including any incompatibilit	les:				
	A Technical measur	0					
	Maximum time:	12 Months					
	B General condition	U					
		heat, radiation, static electricity and con	tact with food. For additional information	n see subsection 10.5			
7.3	Specific end use(s):						
	Except for the instruct product.	tions already specified it is not necessa	ry to provide any special recommendati	on regarding the uses of this			
	product.						
SEC	TION 8: EXPOSUR	E CONTROLS/PERSONAL PRO	TECTION				
3.1	Control parameters:						
	Substances whose or	ccupational exposure limits have to be n	Substances whose occupational exposure limits have to be monitored in the workplace:				
	EH40/2005 Workplace exposure limits, fourth edition, published 2020:						
	EH40/2005 Workplace	e exposure limits, fourth edition, publish					
		e exposure limits, fourth edition, publish Identification	ed 2020:	ational exposure limits			
	Glycerol		ed 2020: Occup WEL (8h)	ational exposure limits 10 mg/m³			
8.2	Glycerol CAS: 56-81-5		ed 2020:				
8.2	Glycerol CAS: 56-81-5 Exposure controls:	Identification	ed 2020: WEL (8h) WEL (15 min)				
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protection	Identification	ve equipment	10 mg/m ³			
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative marking>>. For m protection,) con information contai	Identification on measures, such as personal protecti measure it is recommended to use bas ore information on Personal Protective sult the information leaflet provided by t ned herein is a recommendation which ether the company has additional meas	ed 2020: WEL (8h) WEL (15 min) We equipment ic Personal Protective Equipment, with Equipment (storage, use, cleaning, mai he manufacturer. For more information needs some specification from the labo	the corresponding < <ukca ntenance, class of see subsection 7.1. All</ukca 			
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protection	Identification on measures, such as personal protecti measure it is recommended to use bas ore information on Personal Protective sult the information leaflet provided by t ned herein is a recommendation which ether the company has additional meas	ve equipment ic Personal Protective Equipment, with Equipment (storage, use, cleaning, mai he manufacturer. For more information needs some specification from the labo ures at its disposal.	10 mg/m ³ the corresponding < <ukca ntenance, class of see subsection 7.1. All ur risk prevention services as</ukca 			
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protection	Identification on measures, such as personal protecti measure it is recommended to use bas ore information on Personal Protective sult the information leaflet provided by t ned herein is a recommendation which ether the company has additional meas ction	ve equipment ic Personal Protective Equipment, with Equipment (storage, use, cleaning, mai he manufacturer. For more information needs some specification from the labo ures at its disposal.	10 mg/m ³ the corresponding < <ukca ntenance, class of see subsection 7.1. All ur risk prevention services as</ukca 			
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protection The use of protection	Identification on measures, such as personal protecti measure it is recommended to use bas ore information on Personal Protective sult the information leaflet provided by t ned herein is a recommendation which ether the company has additional meas ction	ve equipment ic Personal Protective Equipment, with Equipment (storage, use, cleaning, mai he manufacturer. For more information needs some specification from the labo ures at its disposal.	10 mg/m ³ the corresponding < <ukca ntenance, class of see subsection 7.1. All ur risk prevention services as</ukca 			
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protect The use of protection C Specific protection Pictogram Pictogram	Identification on measures, such as personal protecti measure it is recommended to use bas ore information on Personal Protective I sult the information leaflet provided by t ned herein is a recommendation which ether the company has additional meas ction tion equipment will be necessary if a mis	ed 2020: VEL (8h) WEL (8h) WEL (15 min) Ve equipment ic Personal Protective Equipment, with Equipment (storage, use, cleaning, mai he manufacturer. For more information needs some specification from the labo ures at its disposal. st forms or if the occupational exposure	10 mg/m ³ the corresponding < <ukca ntenance, class of see subsection 7.1. All ur risk prevention services as limits are exceeded.</ukca 			
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protect The use of protector C Specific protector Pictogram Pictogram Nandatory hand protection As the product is a total reliability and	Identification on measures, such as personal protecti measure it is recommended to use bas ore information on Personal Protective I sult the information leaflet provided by t ned herein is a recommendation which ether the company has additional meas ction tion equipment will be necessary if a mis n for the hands PPE Chemical protective gloves a mixture of several substances, the res I has therefore to be checked prior to the	ed 2020: Ve equipment ic Personal Protective Equipment, with Equipment (storage, use, cleaning, mai he manufacturer. For more information needs some specification from the labo ures at its disposal. It forms or if the occupational exposure Remarks Replace the gloves at any signification of the glove material can not be	10 mg/m ³ the corresponding < <ukca ntenance, class of see subsection 7.1. All ur risk prevention services as limits are exceeded.</ukca 			
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protect The use of protector C Specific protector C Specific protector Pictogram Mandatory hand protection As the product is a	Identification on measures, such as personal protecti measure it is recommended to use bas ore information on Personal Protective I sult the information leaflet provided by t ned herein is a recommendation which ether the company has additional meas ction tion equipment will be necessary if a mis n for the hands PPE Chemical protective gloves a mixture of several substances, the res I has therefore to be checked prior to the	ed 2020: Ve equipment ic Personal Protective Equipment, with Equipment (storage, use, cleaning, mai he manufacturer. For more information needs some specification from the labo ures at its disposal. It forms or if the occupational exposure Remarks Replace the gloves at any signification of the glove material can not be	10 mg/m ³ the corresponding < <ukca ntenance, class of see subsection 7.1. All ur risk prevention services as limits are exceeded.</ukca 			
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protect The use of protector C Specific protector Pictogram Pictogram Nandatory hand protection As the product is a total reliability and	Identification on measures, such as personal protecti measure it is recommended to use bas ore information on Personal Protective I sult the information leaflet provided by t ned herein is a recommendation which ether the company has additional meas ction tion equipment will be necessary if a mis n for the hands PPE Chemical protective gloves a mixture of several substances, the res I has therefore to be checked prior to the	ed 2020: Ve equipment ic Personal Protective Equipment, with Equipment (storage, use, cleaning, mai he manufacturer. For more information needs some specification from the labo ures at its disposal. It forms or if the occupational exposure Remarks Replace the gloves at any signification of the glove material can not be	10 mg/m ³ the corresponding < <ukca ntenance, class of see subsection 7.1. All ur risk prevention services as limits are exceeded.</ukca 			

Mandatory face protection E.- Body protection



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Rapid Adapter

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SECTION	8: EXPOSUR	RE CONTROLS/PERSONAL P	ROTECTION (continued)
	Pictogram	PPE	Remarks
Pictogram		Work clothing	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.
E - 7	Additional emerge	ency measures	

F.- Additional emergency measures

D 1

It is not necessary to take additional emergency measures.

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Environmental exposure controls:

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 ºC:	2350 Pa
Vapour pressure at 50 °C:	12381.01 Pa (12.38 kPa)
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	1143.9 kg/m³
Relative density at 20 °C:	1.144
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:	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 in	formation property of its hazards.



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SEC	TION 9: PHYSICAL AND CH	HEMICAL PROPER	RTIES (continued)
Upper flammability limit:			Non-applicable *
	Particle characteristics:		
	Median equivalent diameter:		Non-applicable
9.2	Other information:		
	Information with regard to ph	ysical hazard classes	S:
	Explosive properties:		Non-applicable *
	Oxidising properties:		Non-applicable *
	Corrosive to metals:		Non-applicable *
	Heat of combustion:		Non-applicable *
	Aerosols-total percentage (by n components:	nass) of flammable	Non-applicable *
	Other safety characteristics:		
	Surface tension at 20 °C:		Non-applicable *
	Refraction index:		Non-applicable *
	*Not relevant due to the nature of the p	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 (CO), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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):



g: 04/10/2022 Date of compilation	on: 06/05/2022	Version: 1	
CTION 11: TOXICOLOGICAL INI	FORMATION (co	ntinued)	
 Acute toxicity : Based on ava Corrosivity/Irritability: Based of Contact with the skin and the ey 	on available data, th		net
 Contact with the skin: Based Contact with the eyes: Based D- CMR effects (carcinogenicity, m 	on available data, t	he classification criteria are not	
 Carcinogenicity: Based on av IARC: Non-applicable Mutagenicity: Based on availa Reproductive toxicity: Based of E- Sensitizing effects: 	able data, the classi	fication criteria are not met	net
 Respiratory: Based on availat Skin: Based on available data F- Specific target organ toxicity (ST 	a, the classification o	riteria are not met	
Based on available data, the cla	ssification criteria a	re not met	
G- Specific target organ toxicity (ST	OT)-repeated expo	sure:	
	a, the classification of	riteria are not met, as it does no	a, the classification criteria are not met ot contain substances classified as
Based on available data, the cla	ssification criteria a	re not met	
Other information:			
Non-applicable			
Specific toxicology information o	n the substances:		
Not available			
Acute Toxicity Estimate (ATE mix	x):		
	ATE mix		Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calculat	ion method)	Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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

>5000 mg/kg (Calculation method)

>20 mg/L (4 h) (Calculation method)

Non-applicable

Non-applicable

12.1 Toxicity:

Dermal

Inhalation

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:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
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:

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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 UK REACH the provisions related to waste management are stated:

UK legislation: The Waste Regulations 2011.

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:

With regard to ADIC 2021 and TID 2021.					
14.1	UN 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	14.5 Environmental hazards: No				
14.6	Special precautions for user				
	Tunnel restriction code:	Non-applicable			
	Physico-Chemical properties:	see section 9			
14.7	Transport in bulk according to Annex II of Marpol and the IBC	Non-applicable			
	Code:				
Transpor	t of dangerous goods by sea:				
With rega	rd to IMDG 40-20:				
14.1	UN number:	Non-applicable			
14.2	UN proper shipping name:	Non-applicable			
14.3	Transport hazard class(es):	Non-applicable			
14.0	Labels:	Non-applicable			
14.4	Packing group:	Non-applicable			
14.5	Marine pollutant:	No			
14.6	Special precautions for user	NO			
14.0	Special regulations:	Non-applicable			
	EmS Codes:	Non-applicable			
	Physico-Chemical properties:	see section 9			
	Limited quantities:				
	Segregation group:	Non-applicable Non-applicable			
		••			
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable			
Transport of dangerous goods by air:					
With road					

With regard to IATA/ICAO 2022:



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SECTION 14: TRANSPORT INFORMATION (continued)		
14.1	UN 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	Transport in bulk according to Annex II of Marpol and the IBC Code:	

SECTION 15: REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Non-applicable

- Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

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GB CLP Regulation:

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:



Safety data sheet According to UK REACH

Rapid Adapter

Version: 1

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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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered 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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.1	Product identifier:	Sequencing Buffer	
	Other means of identification:		
	SB		
1.2	Relevant identified uses of the	substance or mixture and uses advised against:	
	Relevant uses: Research use on	ly	
	Uses advised against: All uses no	ot specified in this section or in section 7.3	
1.3	Details of the supplier of the safety data sheet:		
	Oxford Nanopore Technologies Gosling Building, Edmund Halley OX4 4DQ Oxford - Oxon - Englar Phone: +44 (0)845 034 7900 - Fa http://www.nanoporetech.com/	nd	
1.4		+44 (0)845 034 7900 (9am-5:30pm GMT)	

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GB CLP Regulation:

The product is not classified as hazardous according to GB CLP Regulation.

2.2 Label elements:

GB CLP Regulation:

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 the contents and/or its container using the separate collection system in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB 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, containing surfactants, enymes and glycolethers.

Components:

None of the substances contained in the mixture are above the values fixed in Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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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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 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,...). 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.

Methods and material for containment and cleaning up:

It is recommended:

6.3

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 destroy 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:			
	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 <<UKCA marking>>. 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	Remarks
Mandatory hand protection	Chemical protective gloves	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	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	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 8: EXPOSURE CONTROLS/PERSONAL			PROTECTION (continued)
	Pictogram	PPE	Remarks
		Work clothing	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 emerg	ency measures	

It is not necessary to take additional emergency measures.

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Environmental exposure controls:

D ()

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:	1099.5 kg/m ³
Relative density at 20 ºC:	1.099
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 info	mation property of its hazards.



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SEC	TION 9: PHYSICAL AND CHEMICAL PROP	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 int	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 (CO), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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: TOX	ICOLOGICAL INFORMATION (co	ontinued)	
- Corrosivi	icity : Based on available data, the clas y/Irritability: Based on available data, th the skin and the eyes (acute effect):		net
 Contact v 	vith the skin: Based on available data, th vith the eyes: Based on available data, t s (carcinogenicity, mutagenicity and toxi	he classification criteria are not	
IARC: Nor - Mutageni	enicity: Based on available data, the cla n-applicable city: Based on available data, the classi tive toxicity: Based on available data, th effects:	fication criteria are not met	net
- Skin: Bas	ry: Based on available data, the classifi ed on available data, the classification o jet organ toxicity (STOT) - single exposi	criteria are not met	
Based on av	vailable data, the classification criteria a	re not met	
G- Specific targ	et organ toxicity (STOT)-repeated expo	sure:	
- Skin: Bas	arget organ toxicity (STOT)-repeated ex ed on available data, the classification o or this effect. For more information sees azard:	criteria are not met, as it does no	
Based on av	vailable data, the classification criteria a	re not met	
Other informat	ion:		
Non-applicable			
Specific toxico	logy information on the substances:		
Not available			
Acute Toxicity	Estimate (ATE mix):		
	ATE mix		Ingredient(s) of unknown toxicity

ATE mix		Ingredient(s) of unknown toxicity
Oral >5000 mg/kg (Calculation method)		Non-applicable
Dermal >5000 mg/kg (Calculation method)		Non-applicable
nhalation >20 mg/L (4 h) (Calculation method)		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: Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described



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SECTION 13: DISPOSAL CONSIDERATIONS Code Description Waste class 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:

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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 UK REACH the provisions related to waste management are stated:

UK legislation: The Waste Regulations 2011.

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:

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14.1	UN 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	
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to	Non-applicable
	Annex II of Marpol and the IBC	
	Code:	
Transpo	rt of dangerous goods by sea:	
With rega	ard to IMDG 40-20:	
14.1	UN number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.2 14.3	UN proper shipping name: Transport hazard class(es):	Non-applicable Non-applicable
	Transport hazard class(es):	Non-applicable
14.3	Transport hazard class(es): Labels:	Non-applicable Non-applicable
14.3 14.4	Transport hazard class(es): Labels: Packing group:	Non-applicable Non-applicable Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant:	Non-applicable Non-applicable Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user	Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations:	Non-applicable Non-applicable Non-applicable No
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes:	Non-applicable Non-applicable No No Non-applicable
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties:	Non-applicable Non-applicable No Non-applicable see section 9
14.3 14.4 14.5	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable
14.3 14.4 14.5 14.6	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable
14.3 14.4 14.5 14.6 14.7 Transpor	Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group: Transport in bulk according to Annex II of Marpol and the IBC	Non-applicable Non-applicable No Non-applicable see section 9 Non-applicable Non-applicable



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SECTION 14:	TRANSPORT INFORMATION	N (continued)
14.1	UN 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	Transport in bulk according to Annex II of Marpol and the IBC Code:	

SECTION 15: REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Non-applicable
 - Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended) EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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

GB CLP Regulation:

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:



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ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
Lp50: 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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered 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 SAFETY DATA SHEET -