

Adapter Buffer / Rapid Dilution Buffer

ting: EC	TION 1: IDENTIFICATION	NOF THE SUBSTAN	CE/MIXTURE AND OF	THE COMPANY/UNDERTAKING		
1.1	Product identifier:		fer / Rapid Dilution Buffer			
	Other means of identification:					
	ADB, RDB	•				
1.2	Relevant identified uses of	the substance or mixtu	ire and uses advised again	nst [.]		
	Relevant uses: Research use		no ana acco acticoa agan			
	Uses advised against: All use	-	ction or in section 7.3			
1.3	Details of the supplier of th	•				
1.5	Oxford Nanopore Technologi	-				
	Gosling Building, Edmund Ha		ce Park			
	OX4 4DQ Oxford - Oxon - Er Phone: +44 (0)845 034 7900		001			
	http://www.nanoporetech.cor		901			
1.4			00 (0 or E 20 or CMT)			
	Emergency telephone num	iber: $+44(0)64503479$	00 (9am-5.30pm GMT)			
	Emergency telephone num	iber: +44 (0)845 034 79	ou (gam-5.50pm GMT)			
	TION 2: HAZARDS IDEN		00 (9am-3.30pm GMT)			
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SEC 2.1	TION 2: HAZARDS IDEN Classification of the substa GB CLP Regulation: The product is not classified	TIFICATION ance or mixture:				
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SEC 2.1	TION 2: HAZARDS IDEN Classification of the substa GB CLP Regulation: The product is not classified Label elements: GB CLP Regulation: Hazard statements: Non-applicable Precautionary statements: P101: If medical advice is ne P102: Keep out of reach of c	TIFICATION ance or mixture: as hazardous according eeded, have product cont children.	to GB CLP Regulation.	system in your municipality.		
SEC 2.1	TION 2: HAZARDS IDEN Classification of the substa GB CLP Regulation: The product is not classified Label elements: GB CLP Regulation: Hazard statements: Non-applicable Precautionary statements: P101: If medical advice is ne	TIFICATION ance or mixture: as hazardous according eeded, have product cont children.	to GB CLP Regulation.	system 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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-	: 11/11/2022 Date of compilation: 23/05/2022 Revised: 27/05/2022 Version: 3 (Replaced 2) TION 4: FIRST AID MEASURES (continued)
	By eye contact:
	Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.
	By ingestion/aspiration:
	In case of consumption in large quantities, it is recommended to seek medical assistance.
4.2	Most important symptoms and effects, both acute and delayed:
	Acute and delayed effects are indicated in sections 2 and 11.
4.3	Indication of any immediate medical attention and special treatment needed:
	Non-applicable
SEC	TION 5: FIREFIGHTING MEASURES
5.1	Extinguishing media:
	Suitable extinguishing media:
	Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,) Unsuitable extinguishing media:
	Non-applicable
	Special hazards arising from the substance or mixture:
5.2	
5.2	Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.
5.2 5.3	Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use. Advice for firefighters:

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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inting	: 11/11/2022	Date 0	f compilation: 23/05/2022	Revised: 27/05/2022	t el	ced 2)
SEC	TION 7: HAN	DLING A	ND STORAGE (continue	ed)		
	A General pr	ecautions	for safe use			
	Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions					
	products.	Consult se	o transfer at a slow speed to a ction 10 for conditions and ma idations on general occupatio	aterials that should be avoid		d affect flammable
	Do not eat	or drink d	uring the process, washing ha	ands afterwards with suitabl	e cleaning products.	
	D Technical r	recommen	dations to prevent environme	ental risks		
	It is not nee	cessary to	take special measures to pre	event environmental risks. F	or more information se	e subsection 6.2
7.2	Conditions fo	r safe sto	rage, including any incomp	atibilities:		
	A Technical ı	measures	for storage			
	Maximum	time:	12 Months			
	B General co	onditions fo	or storage			
	Avoid sour	ces of hea	it, radiation, static electricity a	and contact with food. For a	ditional information se	e 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					
SEC	product.	instructior			cial recommendation r	egarding the uses of this
	TION 8: EXPO Control paran	instruction	ns already specified it is not no CONTROLS/PERSONAL pational exposure limits have	PROTECTION		egarding the uses of this
	TION 8: EXPO Control paran Substances wi	instruction OSURE neters: hose occu	CONTROLS/PERSONAL	PROTECTION		egarding the uses of this
	TION 8: EXPO Control paran Substances wi EH40/2005 Wo	instruction OSURE neters: hose occu	CONTROLS/PERSONAL	PROTECTION	place:	nal exposure limits
	TION 8: EXPO Control paran Substances wi	instruction OSURE neters: hose occu	CONTROLS/PERSONAL pational exposure limits have xposure limits, fourth edition,	PROTECTION	place:	
3.1	TION 8: EXPO Control paran Substances wi EH40/2005 Wc	instruction OSURE (neters: hose occu prkplace e;	CONTROLS/PERSONAL pational exposure limits have xposure limits, fourth edition,	PROTECTION	place: Occupation WEL (8h)	nal exposure limits
8.1	TION 8: EXPO Control paran Substances wi EH40/2005 Wc Glycerol CAS: 56-81-5 Exposure cor	instruction OSURE (neters: hose occu prkplace ex prkplace ex	CONTROLS/PERSONAL pational exposure limits have xposure limits, fourth edition,	PROTECTION to be monitored in the work published 2020:	place: Occupation WEL (8h)	nal exposure limits
8.1	Control paran Substances will EH40/2005 Wo Glycerol CAS: 56-81-5 Exposure cor A Individual p As a preve marking>> protection, informatior it is not kno B Respirator	instruction OSURE (neters: hose occu orkplace ex orkplace ex orkp	CONTROLS/PERSONAL pational exposure limits have kposure limits, fourth edition, lidentification measures, such as personal easure it is recommended to u information on Personal Provic the information leaflet provic d herein is a recommendation er the company has additiona n	PROTECTION to be monitored in the work published 2020: protective equipment use basic Personal Protective tective Equipment (storage, led by the manufacturer. Fo which needs some specific al measures at its disposal.	e Equipment, with the use, cleaning, mainter r more information see ation from the labour r	al exposure limits 10 mg/m³ corresponding < <ukca ance, class of subsection 7.1. All isk prevention services as</ukca
3.1	TION 8: EXPO Control paran Substances will EH40/2005 Wo Glycerol CAS: 56-81-5 Exposure cor A Individual p As a preve marking>> protection, information it is not kno B Respiratory The use of	instruction OSURE (neters: hose occu prkplace ex- protection ntative me . For more) consul n contained own wheth y protection	CONTROLS/PERSONAL pational exposure limits have posure limits, fourth edition, Identification measures, such as personal easure it is recommended to u information on Personal Provice the information leaflet provice d herein is a recommendation er the company has additionan in equipment will be necessary	PROTECTION to be monitored in the work published 2020: protective equipment use basic Personal Protective tective Equipment (storage, led by the manufacturer. Fo which needs some specific al measures at its disposal.	e Equipment, with the use, cleaning, mainter r more information see ation from the labour r	al exposure limits 10 mg/m³ corresponding < <ukca ance, class of subsection 7.1. All isk prevention services as</ukca
8.1	Control paran Substances will EH40/2005 Wo Glycerol CAS: 56-81-5 Exposure cor A Individual p As a preve marking>> protection, informatior it is not kno B Respirator	instruction OSURE (neters: hose occu prkplace ex- protection ntative me . For more) consul n contained own wheth y protection	CONTROLS/PERSONAL pational exposure limits have posure limits, fourth edition, Identification measures, such as personal easure it is recommended to u information on Personal Provice the information leaflet provice d herein is a recommendation er the company has additionan in equipment will be necessary	PROTECTION to be monitored in the work published 2020: protective equipment use basic Personal Protective tective Equipment (storage, led by the manufacturer. Fo which needs some specific al measures at its disposal.	e Equipment, with the use, cleaning, mainter r more information see ation from the labour r	al exposure limits 10 mg/m³ corresponding < <ukca ance, class of subsection 7.1. All isk prevention services as</ukca
SEC 8.1 8.2	TION 8: EXPO Control paran Substances will EH40/2005 Wo Glycerol CAS: 56-81-5 Exposure cor A Individual p As a preve marking>> protection, information it is not kno B Respiratory The use of	instruction OSURE (neters: hose occu orkplace ex- orkplace ex- ntrols: protection n contained with wheth y protection otection for otection for	CONTROLS/PERSONAL pational exposure limits have posure limits, fourth edition, Identification measures, such as personal easure it is recommended to u information on Personal Provice the information leaflet provice d herein is a recommendation er the company has additionan in equipment will be necessary	PROTECTION to be monitored in the work published 2020: protective equipment use basic Personal Protective tective Equipment (storage, led by the manufacturer. Fo which needs some specific al measures at its disposal.	e Equipment, with the use, cleaning, mainter r more information see ation from the labour r	al exposure limits 10 mg/m³ corresponding < <ukca ance, class of subsection 7.1. All isk prevention services as</ukca

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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TION 8: EXPOSURE CONTROLS/PER	SONAL PROTECTION (continued)
E Body protection	
Pictogram PPE	Remarks
Work clothi	ng Replace before any evidence of deterioration. For periods of prolonged ex to the product for professional/industrial users CE III is recommended accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, 13688:2013, EN 464:1994.
F Additional emergency measures	
It is not necessary to take additional emer	
-	
Environmental exposure controls:	
In accordance with the community legislation spillage of both the product and its container	for the protection of the environment it is recommended to avoid environmentation For additional information see subsection 7.1.D
TION 9: PHYSICAL AND CHEMICAL P	
Information on basic physical and chemic	
For complete information see the product dat	asheet.
Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Non-applicable *
Volatility:	(11.10)
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:	4440.0 1
Density at 20 °C:	1143.9 kg/m ³
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: Partition coefficient n-octanol/water 20 °C:	Non-applicable * Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Completely miscible Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point: Flammability:	non-applicable
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *

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SEC	TION 9: PHYS	SICAL AND CHEMICAL PROPER	RTIES (continued)	
	Lower flammability limit:		Non-applicable *	
	Upper flammab	ility limit:	Non-applicable *	
	Particle chara	cteristics:		
	Median equival	ent diameter:	Non-applicable	
9.2	Other information	tion:		
	Information wi	ith regard to physical hazard classes	s:	
	Explosive prope	erties:	Non-applicable *	
	Oxidising prope	erties:	Non-applicable *	
	Corrosive to me	etals:	Non-applicable *	
	Heat of combus	stion:	Non-applicable *	
	Aerosols-total p components:	percentage (by mass) of flammable	Non-applicable *	
	•	haracteristics:		
	Surface tensior	n at 20 °C:	Non-applicable *	
	Refraction inde	x:	Non-applicable *	
	*Not relevant due t	to the nature of the product, not providing inform	nation property of its hazards.	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

10.5 Incompatible materials:

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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CTION 11: TOX	ICOLOGICAL INFORMATION ((continued)				
B- Inhalation (acute effect):					
Acute to:Corrosiv	 Acute toxicity : Based on available data, the classification criteria are not met Corrosivity/Irritability: Based on available data, the classification criteria are not met Contact with the skin and the eyes (acute effect): 					
- Contact	with the skin: Based on available data with the eyes: Based on available data s (carcinogenicity, mutagenicity and to	a, the classification criteria are				
IARC: No - Mutagen	enicity: Based on available data, the on-applicable icity: Based on available data, the class ctive toxicity: Based on available data effects:	ssification criteria are not met	t			
 Respiratory: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met F- Specific target organ toxicity (STOT) - single exposure: 						
Based on a	vailable data, the classification criteria	a are not met				
G- Specific tar	get organ toxicity (STOT)-repeated ex	(posure:				
- Skin: Ba	sed on available data, the classificatio for this effect. For more information se	on criteria are not met, as it do	e data, the classification criteria are not met bes not contain substances classified as			
Based on a	vailable data, the classification criteria	are not met				
Other informa	tion:					
Non-applicable						
Specific toxic	blogy information on the substance	es:				
Not available						
Acute Toxicity	Estimate (ATE mix):					
	ATE mix		Ingredient(s) of unknown toxicity			
Oral	>5000 mg/kg (Calc	,	Non-applicable			
Dermal	>5000 mg/kg (Calc		Non-applicable			
Inhalation	>20 mg/L (4 h) (Cal	culation method)	Non-applicable			

ECOLOGICAL INFORMATIO

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
l	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:

vilarioge		
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	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):	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	rt of dangerous goods by air:	
With rega	rd to IATA/ICAO 2022:	

With regard to IATA/ICAO 2022:

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SECTION 14:	TRANSPORT INFORMATION	V (continued)						
14.1 14.2	UN number: UN proper shipping name:	Non-applicable Non-applicable						
14.3	Transport hazard class(es): Labels:	Non-applicable Non-applicable						
14.4	Packing group:	Non-applicable						
14.5	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:	Non-applicable						
SECTION 15:	SECTION 15: REGULATORY INFORMATION							
15.1 Safety, he	ealth and environmental regulation	ons/legislation s	pecific for the su	bstance or mixture:				
- Substand	ces listed in UK candidate list of su ces listed in UK REACH Authorisati	ion 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:

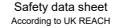
Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu

http://eur-lex.europa.eu

Abbreviations and acronyms:



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SECTION 16: OTH	HER INFORMATION (continued)			
IMDG: Internation IATA: Internation ICAO: Internation COD: Chemical BOD5: 5day bion BCF: Bioconce LD50: Lethal D LC50: Lethal D EC50: Effective LogPOW: Octal Koc: Partition of UFI: unique for	Dose 50 Concentration 50 e concentration 50 anolwater partition coefficient coefficient of organic carbon	al carriage of dangerous goo	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 -



AMPure XP Beads / SPRI Beads

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SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: AMPure XP Beads / SPRI Beads
	Other means of identification:
	VXP, AXP, SPRI
1.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Research use 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
	Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/
1.4	Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901
1.4	Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/
	Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/
	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)
SEC	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)
SEC	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) Classification of the substance or mixture:
SEC	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) TION 2: HAZARDS IDENTIFICATION Classification of the substance or mixture: GB CLP Regulation:
SEC 2.1	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) TION 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	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) CION 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	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) TION 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:
SEC 2.1	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) TION 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:
SEC 2.1	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) TION 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: Non-applicable Precautionary statements: P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children.
SEC 2.1	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) TION 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: Non-applicable Precautionary statements: P101: If medical advice is needed, have product container or label at hand.

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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SECT	ON 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 produc	ct.
	By ingestion/aspiration:	
	In case of consumption in large quantities, it is recommended to seek medical assistance.	
4.2	Most important symptoms and effects, both acute and delayed:	
	Acute and delayed effects are indicated in sections 2 and 11.	
4.3	Indication of any immediate medical attention and special treatment needed:	

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

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



	Comply with the Maintain order, c	G AND STORAGE (continued) current legislation concerning the preven leanliness and dispose of using safe met mendations for the prevention of fires and	
	It is recommende products. Consu	·	e creation of electrostatic charges that could affect flammable that should be avoided.
	Do not eat or dri	nk during the process, washing hands aft	erwards with suitable cleaning products.
	D Technical recom	mendations to prevent environmental risk	<s< td=""></s<>
	It is not necessar	y to take special measures to prevent en	vironmental risks. For more information see subsection 6.2
7.2	Conditions for safe	storage, including any incompatibiliti	es:
	A Technical measu	ires for storage	
	Maximum time:	12 Months	
	B General conditio	ns for storage	
	Avoid sources of	heat, radiation, static electricity and cont	act with food. For additional information see subsection 10.5
7.3	Specific end use(s)	:	
	Except for the instru- product.	ctions 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
3.1	Control parameters		
	Substances whose o	occupational exposure limits have to be n	nonitored in the workplace:
	There are no applica	ble occupational exposure limits for the s	substances contained in the product
3.2	Exposure controls:		
	A Individual protec	ion measures, such as personal protectiv	ve equipment
	marking>>. For r protection,) co information conta it is not known w B Respiratory prote	nore information on Personal Protective I nsult the information leaflet provided by t ained herein is a recommendation which hether the company has additional meas action	
	The use of prote	ction equipment will be necessary if a mis	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 the	istance of the glove material can not be calculated in advance with e application.
	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	1	I
	E. Body protocilon		



CTION 8: EXPOSURE CONTROLS/PERS	ONAL PROTECTION (continued)
Pictogram PPE	Remarks
Work clothing	Replace before any evidence of deterioration. For periods of prolonged exposuto 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 I 13688:2013, EN 464:1994.
F Additional emergency measures	
It is not necessary to take additional emerge	jency measures.
Environmental exposure controls:	
•	or the protection of the environment it is recommended to avoid environmental
spillage of both the product and its container. For	
CTION 9: PHYSICAL AND CHEMICAL PR	OPERTIES
Information on basic physical and chemical	properties:
For complete information see the product datas	
Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Not available
Odour:	Not available
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2350 Pa
	200014
Vapour pressure at 50 °C:	12381.01 Pa (12.38 kPa)
Vapour pressure at 50 °C: Evaporation rate at 20 °C:	
	12381.01 Pa (12.38 kPa)
Evaporation rate at 20 °C:	12381.01 Pa (12.38 kPa)
Evaporation rate at 20 °C: Product description:	12381.01 Pa (12.38 kPa) Non-applicable *
Evaporation rate at 20 °C: Product description: Density at 20 °C:	12381.01 Pa (12.38 kPa) Non-applicable * 1032.6 kg/m³
Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C:	12381.01 Pa (12.38 kPa) Non-applicable * 1032.6 kg/m ³ 1.033
Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C:	12381.01 Pa (12.38 kPa) Non-applicable * 1032.6 kg/m ³ 1.033 Non-applicable *

- CONTINUED ON NEXT PAGE -

Non-applicable *

Completely miscible

Non Flammable (>60 °C)

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

Vapour density at 20 °C:

Solubility in water at 20 °C:

Decomposition temperature:

Melting point/freezing point:

Flammability (solid, gas):

Autoignition temperature:

Lower flammability limit:

Solubility properties:

Flammability: Flash Point:

Partition coefficient n-octanol/water 20 °C:



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SEC	TION 9: PHYSICAL AND CHEMICA		ES (continued)
	Upper flammability limit:	N	lon-applicable *
	Particle characteristics:		
	Median equivalent diameter:	N	lon-applicable
9.2	Other information:		
	Information with regard to physical ha	ard classes:	
	Explosive properties:	N	Ion-applicable *
	Oxidising properties:	N	Ion-applicable *
	Corrosive to metals:	N	Ion-applicable *
	Heat of combustion:	N	Ion-applicable *
	Aerosols-total percentage (by mass) of fla components:	mmable N	Ion-applicable *
	Other safety characteristics:		
	Surface tension at 20 °C:	N	Ion-applicable *
	Refraction index:	N	Ion-applicable *
	*Not relevant due to the nature of the product, not	providing information	n 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 (co	continued)
- Corrosi	oxicity :Based on available data, the clas vity/Irritability: Based on available data, th ith the skin and the eyes (acute effect):	the classification criteria are not met
- Contac	with the skin: Based on available data, t with the eyes: Based on available data, ts (carcinogenicity, mutagenicity and tox	a, the classification criteria are not met
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:	ssification criteria are not met
- Skin: B	tory: Based on available data, the classif ased on available data, the classification rget organ toxicity (STOT) - single expos	n criteria are not met
Based on	available data, the classification criteria a	are not met
G- Specific ta	rget organ toxicity (STOT)-repeated expo	posure:
- Skin: B hazardous H- Aspiration	ased on available data, the classification for this effect. For more information see	
Other inform	ation:	
Non-applicabl	e	
Specific toxic	cology information on the substances:	s:
Not available		
	y Estimate (ATE mix):	
Acute Toxici	ATE mix	Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calcula	
Dermal	>5000 mg/kg (Calcula	

SECTION 12: ECOLOGICAL INFORMATION

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

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

Non-applicable

12.1 Toxicity:

Not available

Inhalation

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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SECT	ION 13: DIS	POSAL CONSIDERATIONS	
13.1	Waste treatm	ent 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:

withinge		
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 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:	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	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 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 Code:	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	14.7 Transport in bulk according to Non-applicable Annex II of Marpol and the IBC Code:					
SECTION 15: REGULATORY INFORMATION						
15.1 Safety, he	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 (Contain

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	oad

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. - END OF SAFETY DATA SHEET -



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mung	
SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: Elution Buffer
	Other means of identification:
	VEB, EB, VELB
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)
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:
	D104. If modical educe is peopled, have preduct container or label at hand

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

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...). 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: 11/11/2022 Date of compilation: 24/01/2022 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 dispose of using safe methods (section 6). B.- Technical recommendations for the prevention of fires and explosions It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C.- Technical recommendations on general occupational hygiene Do not eat or drink during the process, washing hands afterwards with suitable cleaning products. D.- Technical recommendations to prevent environmental risks It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2 7.2 Conditions for safe storage, including any incompatibilities: A.- Technical measures for storage Maximum time: 12 Months B.- General conditions for storage Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5 7.3 Specific end use(s): Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION 8.1 Control parameters: Substances whose occupational exposure limits have to be monitored in the workplace: 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 Pictogram PPF 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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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	Additional emerge	ency measures			

It is not necessary to take additional emergency measures.

Environmental exposure controls:

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Colorless
Colour:	Not available
Odour:	Not available
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2350 Pa
Vapour pressure at 50 °C:	12381.01 Pa (12.38 kPa)
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	1034 kg/m ³
Relative density at 20 °C:	1.034
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Completely miscible
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing	j information property of its hazards.



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SEC	TION 9: PHYSICAL AND CHEMICAL	PROPERTIES (continued)
	Upper flammability limit:	Non-applicable *
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable
9.2	Other information:	
	Information with regard to physical haz	rd 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 flar components:	nmable 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 p	oviding 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):



TION 11: TOXICOLOGICAL INFORMATION (continued) Acute toxicity : Based on available data, the classification criteria are not met Corrosivity/Irritability: Based on available data, the classification criteria are not met Contact with the skin: 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 sys: Based on available data, the classification criteria are not met Contact with the sys: 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 Mutagenicity: Based on available data, the classification criteria are not met Reproductive toxicity: Based on available data, the classification criteria are not met Sensitizing effects: Respiratory: Based on available data, the classification criteria are not met 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 contain substances classified a hazardi maximum substances classified a fare for more information see section 3. H. Aspiration hazard: Based on available data, the classification criteria are not met Other information Non-applicable Acute Toxicly Estimate (ATE mix): Acute Toxicly Estimate (ATE mix):	g: 11/11/2022	Date of compilation: 24/01/2022	Version: 1	
 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 Carcinogenicity: 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 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 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 Shin: 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 Mon-applicable Specifi	CTION 11: TO>	KICOLOGICAL INFORMATION (continued)	
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 LARC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met ARC: 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 Sensilizing 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)-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 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, as it does not contain substances classified a hazardous for this effect. For more information see section 3. H Aspiration hazard: Based on available data, the classification criteria are not met Specific toxicology information on the substances: Non-applicable Specific toxicology information on the substances: Not available Acute Toxicity Estimate (ATE mix): Ingredient(s) of unknown toxic	- Corrosiv	rity/Irritability: Based on available data, t		
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 Respiratory: Based on available data, the classification criteria are not met Skin: Based on available data, the classification criteria are not met Secific target organ toxicity (STOT) - single exposure: Based on available data, the classification criteria are not met Secific target organ toxicity (STOT)-repeated exposure: Secific target on available data, the classification criteria are not met Science and secience and the classification criteria are not met Secience and the classification criteria are not met Secience and the classification on the substances: Not available Acute Toxicity Estimate (ATE mix):	- Contact	with the eyes: Based on available data,	, the classification criteria	
 Skin: Based on available data, the classification criteria are not met F- Specific target organ toxicity (STOT) - single exposure: Based on available data, the classification criteria are not met G- Specific target organ toxicity (STOT)-repeated exposure: Specific target organ toxicity (STOT)-repeated exposure: 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, as it does not contain substances classified a 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):	IARC: No - Mutager - Reprodu	n-applicable nicity: Based on available data, the class uctive toxicity: Based on available data, i	sification criteria are not n	net
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 a 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 toxic 	- Skin: Ba	sed on available data, the classification	i criteria are not met	et
 Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not e. Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified a 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): 	Based on a	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 a 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): 	G- Specific tar	rget organ toxicity (STOT)-repeated exp	oosure:	
Non-applicable Specific toxicology information on the substances: Not available Acute Toxicity Estimate (ATE mix): ATE mix Ingredient(s) of unknown toxic	- Skin: Ba hazardous H- Aspiration I	used on available data, the classification for this effect. For more information see hazard:	o criteria are not met, as it e section 3.	able data, the classification criteria are not met t does not contain substances classified as
Specific toxicology information on the substances: Not available Acute Toxicity Estimate (ATE mix): ATE mix Ingredient(s) of unknown toxic	Other informa	ation:		
Not available Acute Toxicity Estimate (ATE mix): ATE mix Ingredient(s) of unknown toxic	Non-applicable	3		
Not available Acute Toxicity Estimate (ATE mix): ATE mix Ingredient(s) of unknown toxic	Specific toxic	ology information on the substances	:	
ATE mix Ingredient(s) of unknown toxic	-			
ATE mix Ingredient(s) of unknown toxic	Acute Toxicite	v Estimate (ATE mix):		
				Ingredient(s) of unknown toxicity
	Oral		ation method)	C ()
Dermal >5000 mg/kg (Calculation method) Non-applicable	Dermal			

SECTION 12: ECOLOGICAL INFORMATION

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

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

Non-applicable

12.1 Toxicity:

Not available

Inhalation

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:

UN number:	Non-applicable		
UN proper shipping name:	Non-applicable		
Transport hazard class(es):	Non-applicable		
Labels:	Non-applicable		
Packing group:	Non-applicable		
Environmental hazards:	No		
Special precautions for user			
Tunnel restriction code:	Non-applicable		
Physico-Chemical properties:	see section 9		
Transport in bulk according to	Non-applicable		
Annex II of Marpol and the IBC			
Code:			
rt of dangerous goods by sea:			
With regard to IMDG 40-20:			
ard to IMDG 40-20:			
urd to IMDG 40-20: UN number:	Non-applicable		
	Non-applicable Non-applicable		
UN number:			
UN number: UN proper shipping name:	Non-applicable		
UN number: UN proper shipping name: Transport hazard class(es):	Non-applicable Non-applicable		
UN number: UN proper shipping name: Transport hazard class(es): Labels:	Non-applicable Non-applicable Non-applicable		
UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group:	Non-applicable Non-applicable Non-applicable Non-applicable		
UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Marine pollutant:	Non-applicable Non-applicable Non-applicable Non-applicable		
UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user	Non-applicable Non-applicable Non-applicable Non-applicable No		
UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations:	Non-applicable Non-applicable Non-applicable Non-applicable No		
UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations: EmS Codes:	Non-applicable Non-applicable Non-applicable Non-applicable No		
UN number: UN proper shipping name: 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 Non-applicable No Non-applicable see section 9		
UN number: UN proper shipping name: 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		
UN number: UN proper shipping name: 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		
UN number: UN proper shipping name: 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		
	UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user Tunnel restriction code: Physico-Chemical properties: Transport in bulk according to		



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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
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. - END OF SAFETY DATA SHEET -



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SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: Flow Cell Flush
	Other means of identification:
	FCF
1.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Research use 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)
SEC	CTION 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 non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...). 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, c	current legislation concerning the preven leanliness and dispose of using safe met mendations for the prevention of fires and				
It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flamm products. Consult section 10 for conditions and materials that should be avoided.						
C Technical recommendations on general occupational hygiene						
	Do not eat or drir	nk during the process, washing hands aft	erwards with suitable cleaning products.			
	D Technical recom	mendations to prevent environmental risk	(S			
	It is not necessar	ry to take special measures to prevent en	vironmental risks. For more information see subsection 6.2			
7.2	Conditions for safe	storage, including any incompatibiliti	es:			
	A Technical measu	ires for storage				
	Maximum time:	12 Months				
	B General condition					
	Avoid sources of	heat, radiation, static electricity and cont	act with food. For additional information see subsection 10.5			
7.3	Specific end use(s)					
	•	ctions already specified it is not necessar	y to provide any special recommendation regarding the uses of this			
	product.					
<u>0</u>		RE CONTROLS/PERSONAL PRO	TECTION			
SEC	TION 6. EXPOSOR	RECONTROLS/PERSONAL PRO	TECTION			
8.1	Control parameters	:				
	Substances whose of	occupational exposure limits have to be m	nonitored in the workplace:			
	There are no applica	ble occupational exposure limits for the s	substances contained in the product			
8.2	Exposure controls:					
	A Individual protect	tion measures, such as personal protectiv	ve equipment			
	marking>>. For r protection,) co information conta	nore information on Personal Protective E nsult the information leaflet provided by th ained herein is a recommendation which n hether the company has additional measu	c Personal Protective Equipment, with the corresponding < <ukca Equipment (storage, use, cleaning, maintenance, class of he manufacturer. For more information see subsection 7.1. All needs some specification from the labour risk prevention services as ures at its disposal.</ukca 			
			st forms or if the occupational exposure limits are exceeded.			
	C Specific protection		a forma or in the occupational exposure limits are exceeded.			
	Pictogram	PPE	Remarks			
		Chemical protective gloves	Replace the gloves at any sign of deterioration.			
	Mandatory hand protection					
		d has therefore to be checked prior to the	istance of the glove material can not be calculated in advance with a application.			
	Pictogram	PPE	Remarks			
		Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.			
	Mandatory face protection					
	E Body protection	1				
	_ . _ , p					



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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 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 ºC:	1068.5 kg/m ³
Relative density at 20 °C:	1.068
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing infor	mation property of its hazards.



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SEC	TION 9: PHYSI	CAL AND CHEMICAL PROPE	RTIES (continued)
	Upper flammabil	ity limit:	Non-applicable *
	Particle charact	teristics:	
	Median equivale	nt diameter:	Non-applicable
9.2	Other information	on:	
	Information wit	h regard to physical hazard classe	≥S:
	Explosive proper	rties:	Non-applicable *
	Oxidising properties:		Non-applicable *
	Corrosive to metals:		Non-applicable *
	Heat of combustion: Aerosols-total percentage (by mass) of flammable components:		Non-applicable *
			Non-applicable *
	Other safety characteristics:		
	Surface tension at 20 °C:		Non-applicable *
	Refraction index:		Non-applicable *
	*Not relevant due to	the nature of the product, not providing info	rmation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (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: TO	XICOLOGICAL INFORMATION (C	ontinued)	
- Corrosi	oxicity :Based on available data, the cla vity/Irritability: Based on available data, th ith the skin and the eyes (acute effect):		met
- Contac	t with the skin: Based on available data, t t with the eyes: Based on available data, cts (carcinogenicity, mutagenicity and tox	the classification criteria are no	
IARC: N - Mutage	ogenicity: Based on available data, the cla on-applicable nicity: Based on available data, the class uctive toxicity: Based on available data, t g effects:	ification criteria are not met	met
- Skin: B	atory: Based on available data, the classif ased on available data, the classification arget organ toxicity (STOT) - single expos	criteria are not met	
Based on available data, the classification criteria are not met			
G- Specific ta	arget organ toxicity (STOT)-repeated expo	osure:	
- Skin: B hazardou H- Aspiration	c target organ toxicity (STOT)-repeated e ased on available data, the classification s for this effect. For more information see hazard: available data, the classification criteria a	criteria are not met, as it does r section 3.	ta, the classification criteria are not met not contain substances classified as
Other inform	ation:		
Non-applicab	e		
	cology information on the substances		
Not available			
ACUTE I OXICI	ty Estimate (ATE mix):		Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calcula	ation method)	Non-applicable
Dermal	>5000 mg/kg (Calcula	,	Non-applicable
	ging (ourout	,	11

SECTION 12: ECOLOGICAL INFORMATION

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

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

Non-applicable

12.1 Toxicity:

Not available

Inhalation

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		
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: T	RANSPORT 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
	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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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

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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
	Uses advised against: All uses not specified in this section or in section 7.3
1.3	Details of the supplier of the safety data sheet:
	Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901
	http://www.nanoporetech.com/
1.4	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)
SEC	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	P501: Dispose of the contents and/or its container using the separate collection system in your municipality. Other hazards:
2.3	

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

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

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

SEC	TION 7: HANDLIN	G AND STORAGE (continued)				
	Maintain order, c	current legislation concerning the preven leanliness and dispose of using safe met mendations for the prevention of fires an				
	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					
		nk during the process, washing hands aft				
		mendations to prevent environmental risk				
		It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2				
7.2		e storage, including any incompatibiliti				
	A Technical measu					
	Maximum time:	12 Months				
	B General condition					
		3	tact with food. For additional information see subsection 10.5			
7.3	Specific end use(s)					
1.5			y to provide any special recommendation regarding the uses of this			
	product.	clions already specified it is not necessar	y to provide any special recommendation regarding the uses of this			
SEC	TION 8: EXPOSUR	RE CONTROLS/PERSONAL PRO	TECTION			
3.1	Control parameters	:				
	Substances whose c	occupational exposure limits have to be n	nonitored in the workplace:			
	There are no applica	able occupational exposure limits for the s	substances contained in the product			
8.2	Exposure controls:					
	A Individual protect	tion measures, such as personal protectiv	ve 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</ukca>					
	The use of protection equipment will be necessary if a mist 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 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.			
		1	1			
	E Body protection					



Flowcell (Flush) Tether / Priming Tether

CTION 8: EXPOSURE CONTRO	LS/PERSONAL F	ROTECTION (continued)
Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration. For periods of prolonged expos 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	3	
It is not necessary to take additi	onal emergency mea	isures.
Environmental exposure controls	:	
		tection of the environment it is recommended to avoid environmental onal information see subsection 7.1.D
TION 9: PHYSICAL AND CHEM	/IICAL PROPERT	IES
Information on basic physical and	d chemical properti	es:
For complete information see the pr	oduct datasheet.	
Appearance:		
Physical state at 20 °C:		Liquid
Appearance:		Colorless
Colour:		Not available
Odour:		Not available
Odour threshold:		Non-applicable *
Volatility:		
Boiling point at atmospheric pressu	re:	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:		1031.9 kg/m ³
Relative density at 20 °C:		1.032
Dynamic viscosity at 20 °C:		Non-applicable *
Kinematic viscosity at 20 °C:		Non-applicable *
Kinematic viscosity at 40 °C:		Non-applicable *
Concentration:		Non-applicable *
pH:		Non-applicable *
Vapour density at 20 °C:		Non-applicable *
Partition coefficient n-octanol/water		Non-applicable *
Solubility in water at 20 °C:		Non-applicable *
Solubility properties:		Completely miscible
Decomposition temperature:		Non-applicable *
Melting point/freezing point:		Non-applicable *
Flammability:		
Flash Point:		Non Flammable (>60 °C)
Flammability (solid, gas):		Non-applicable *
Autoignition temperature:		Non-applicable *
		Non-applicable *

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



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SEC	TION 9: PHYSICAL AND CHEMICAL	PROPERTIES (continued)	
	Upper flammability limit:	Non-applicable *	
	Particle characteristics:		
	Median equivalent diameter:	Non-applicable	
9.2	Other information:		
	Information with regard to physical haza	rd 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 flam components:	nmable 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 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: TOX	ICOLOGICAL INFORMATION (C	ontinued)
 Corrosivi 	icity : Based on available data, the clas cy/Irritability: Based on available data, th n the skin and the eyes (acute effect):	
- Contact v	vith the skin: Based on available data, t vith the eyes: Based on available data, s (carcinogenicity, mutagenicity and tox	the classification criteria are not met
IARC: No - Mutagen	enicity: Based on available data, the cla n-applicable city: Based on available data, the class ctive toxicity: Based on available data, t effects:	sification criteria are not met
- Skin: Bas	ory: Based on available data, the classif red on available data, the classification get organ toxicity (STOT) - single expos	criteria are not met
Based on a	vailable data, the classification criteria a	are not met
G- Specific tar	et organ toxicity (STOT)-repeated expo	osure:
- Skin: Bas hazardous f H- Aspiration h	ed on available data, the classification or this effect. For more information see	
Other information	ion:	
Non-applicable		
Specific toxico	logy information on the substances:	<u>.</u>
Not available		
Acute Toxicity	Estimate (ATE mix):	
	ATE mix	Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calcula	
Dermal	>5000 mg/kg (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

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

Non-applicable

12.1 Toxicity:

Not available

Inhalation

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



Flowcell (Flush) Tether / Priming Tether

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SECT	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.

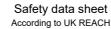
SECTION 14: TRANSPORT INFORMATION

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:

withtega	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	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 Non-applicable
	Transport hazard class(es):	Non-applicable
14.3	Transport hazard class(es): Labels: Packing group: Marine pollutant:	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:	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	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





Flowcell (Flush) Tether / Priming Tether

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:	

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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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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.1	Product identifier: Library Beads
	Other means of identification:
	LIB
.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)

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:



Printing: 11/11/2022 Date of compilation: 16/09/2022 Version: 1 SECTION 4: FIRST AID MEASURES (continued) In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet By eye contact: Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product. By ingestion/aspiration: In case of consumption in large quantities, it is recommended to seek medical assistance. 4.2 Most important symptoms and effects, both acute and delayed: Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...). 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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SECT	ION 7: HANDLING AND STORAGE (continued)
	A General precautions for safe use
	Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions
	It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene
	Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
	D Technical recommendations to prevent environmental risks
	It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2
7.2	Conditions for safe storage, including any incompatibilities:
	A Technical measures for storage
	Maximum time: 12 Months
	B General conditions for storage
	Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5
7.3	Specific end use(s):
	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.
SECI	ION 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	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+ A1:2018

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	N 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:	1043.2 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 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing infor	nation property of its hazards.



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SEC	TION 9: PHYSICAL AN	ID CHEMICAL PROPER	RTIES (continued)
	Upper flammability limit:		Non-applicable *
	Particle characteristics:		
	Median equivalent diamet	ter:	Non-applicable
9.2	Other information:		
	Information with regard	to physical hazard classes	S:
	Explosive properties:		Non-applicable *
	Oxidising properties:		Non-applicable *
	Corrosive to metals:		Non-applicable *
	Heat of combustion:		Non-applicable *
	Aerosols-total percentage components:	e (by mass) of flammable	Non-applicable *
	Other safety characteris	stics:	
	Surface tension at 20 °C:		Non-applicable *
	Refraction index:		Non-applicable *
	*Not relevant due to the nature	of the product, not providing inform	nation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (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: TO	KICOLOGICAL INFORMATION (co	continued)	
- Corrosiv	xicity :Based on available data, the clas ity/Irritability: Based on available data, th th the skin and the eyes (acute effect):		
- Contact	with the skin: Based on available data, t with the eyes: Based on available data, ts (carcinogenicity, mutagenicity and tox	, the classification criteria are not met	
IARC: No - Mutage	genicity: Based on available data, the cla on-applicable nicity: Based on available data, the class uctive toxicity: Based on available data, t effects:	sification criteria are not met	
- Skin: Ba	tory: Based on available data, the classif ised on available data, the classification rget organ toxicity (STOT) - single expos	i criteria are not met	
Based on a	available data, the classification criteria a	are not met	
G- Specific ta	rget organ toxicity (STOT)-repeated expo	posure:	
- Skin: Ba hazardous H- Aspiration	sed on available data, the classification for this effect. For more information see		ot met as
Other inform			
Non-applicabl	2		
	ology information on the substances:		
Not available			
Acute Toxicit	y Estimate (ATE mix):		
	ATE mix	Ingredient(s) of unknown toxi	city
Oral	>5000 mg/kg (Calcula		
Dermal	>5000 mg/kg (Calcula	lation method) Non-applicable	

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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

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

12.1 Toxicity:

Not available

Inhalation

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:

UN number:	Non-applicable
UN proper shipping name:	Non-applicable
Transport hazard class(es):	Non-applicable
Labels:	Non-applicable
Packing group:	Non-applicable
Environmental hazards:	No
Special precautions for user	
Tunnel restriction code:	Non-applicable
Physico-Chemical properties:	see section 9
Transport in bulk according to	Non-applicable
Annex II of Marpol and the IBC	
Code:	
rt of dangerous goods by sea:	
ard to IMDG 40-20:	
urd to IMDG 40-20: UN number:	Non-applicable
	Non-applicable Non-applicable
UN number:	
UN number: UN proper shipping name:	Non-applicable
UN number: UN proper shipping name: Transport hazard class(es):	Non-applicable Non-applicable
UN number: UN proper shipping name: Transport hazard class(es): Labels:	Non-applicable Non-applicable Non-applicable
UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group:	Non-applicable Non-applicable Non-applicable Non-applicable
UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Marine pollutant:	Non-applicable Non-applicable Non-applicable Non-applicable
UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user	Non-applicable Non-applicable Non-applicable Non-applicable No
UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Marine pollutant: Special precautions for user Special regulations:	Non-applicable Non-applicable Non-applicable Non-applicable No
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UN number: UN proper shipping name: 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 Non-applicable No Non-applicable see section 9
UN number: UN proper shipping name: 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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UN number: UN proper shipping name: 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
	UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user Tunnel restriction code: Physico-Chemical properties: Transport in bulk according to



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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	14.5 Environmental hazards: No					
14.5						
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:					
L						

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

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

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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

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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:



Library Beads

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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. - END OF SAFETY DATA SHEET -



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.1	Product identifier:	Library Solution	
	Other means of identificatio	n:	
	LIS		
1.2	Relevant identified uses of t	he substance or mixture and uses advised against:	
	Relevant uses: Research use	only	
	Uses advised against: All uses	s not specified in this section or in section 7.3	
1.3	Details of the supplier of the safety data sheet:		
	Oxford Nanopore Technologie Gosling Building, Edmund Hal OX4 4DQ Oxford - Oxon - En Phone: +44 (0)845 034 7900 http://www.nanoporetech.com	ley Road, Oxford Science Park gland · Fax: +44 (0)845 034 7901	
1.4		er: +44 (0)845 034 7900 (9am-5:30pm GMT)	
SEC	TION 2: HAZARDS IDENT	IFICATION	
2.1	Classification of the substa	nce or mixture	

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

2.2 Label elements:

GB CLP Regulation:

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

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...). 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: 11/11/2022 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 dispose of using safe methods (section 6). B.- Technical recommendations for the prevention of fires and explosions It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C.- Technical recommendations on general occupational hygiene Do not eat or drink during the process, washing hands afterwards with suitable cleaning products. D.- Technical recommendations to prevent environmental risks It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2 7.2 Conditions for safe storage, including any incompatibilities: A.- Technical measures for storage Maximum time: 12 Months B.- General conditions for storage Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5 7.3 Specific end use(s): Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION 8.1 Control parameters: Substances whose occupational exposure limits have to be monitored in the workplace: 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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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	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 ºC:	1.042
Dynamic viscosity at 20 °C:	1.08 cP
Kinematic viscosity at 20 °C:	1.03 mm²/s
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
*Not relevant due to the nature of the product, not providing informa-	ation property of its hazards.



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SECTION 9: PHYSICAL AND CHEMICAL PROPER		ICAL AND CHEMICAL PROPER	RTIES (continued)
	Upper flammab	ility limit:	Non-applicable *
	Particle charac	cteristics:	
	Median equival	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information wi	th regard to physical hazard classes	s:
	Explosive prope	erties:	Non-applicable *
Oxidising properties:		rties:	Non-applicable *
	Corrosive to metals:		Non-applicable *
	Heat of combus	stion:	Non-applicable *
	Aerosols-total p components:	ercentage (by mass) of flammable	Non-applicable *
Other safety characteristics:		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	hock 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 (continued)		
- Corrosi	oxicity : Based on available data, the cla vity/Irritability: Based on available data, ith the skin and the eyes (acute effect):			
- Contac	t with the skin: Based on available data, t with the eyes: Based on available data cts (carcinogenicity, mutagenicity and to	the classification criteria are not me		
IARC: N - Mutage	ogenicity: Based on available data, the c on-applicable nicity: Based on available data, the clas uctive toxicity: Based on available data, g effects:	sification criteria are not met	t	
- Skin: B	 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	Based on available data, the classification criteria are not met			
G- Specific ta	arget organ toxicity (STOT)-repeated exp	osure:		
- Skin: B hazardous H- Aspiration	 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 classification criteria are not met 			
Other inform	ation:			
Non-applicabl	e			
	cology information on the substances	:		
Not available				
	h. Estimate (ATE min).			
Acute I oxici	ty Estimate (ATE mix):		Ingredient(s) of unknown toxicity	
Oral	>5000 mg/kg (Calcu	ation method)	n-applicable	
Dermal	>5000 mg/kg (Calcu		n-applicable	
	titt inging (ould	,		

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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

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

12.1 Toxicity:

Not available

Inhalation

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		
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

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
I D50' 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 -



Rapid Adapter

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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 of	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:			
1.4	Oxford Nanopore Technologies Gosling Building, Edmund Hall OX4 4DQ Oxford - Oxon - Eng Phone: +44 (0)845 034 7900 - http://www.nanoporetech.com/ Emergency telephone number	ey Road, Oxford Science Park land Fax: +44 (0)845 034 7901			
SEC	TION 2: HAZARDS IDENTI	FICATION			
2.1	1 Classification of the substance or mixture:				
GB CLP Regulation:					
	The product is not classified as	s 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 non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...). 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	AND STORAGE (continued)				
	Comply with the cu Maintain order, clea	rrent legislation concerning the preven anliness and dispose of using safe met	thods (section 6).	with regards man	ually handling v	veights.
	 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					
		during the process, washing hands aft		cleaning products	i.	
		endations to prevent environmental risl				
7 0	-	to take special measures to prevent er		more information	I SEE SUDSECTIO	n 6.2
7.2	A Technical measure	torage, including any incompatibiliti	ies:			
	A Technical measure Maximum time:	12 Months				
	B General conditions					
		eat, radiation, static electricity and cont	tact with food. For add	litional information	n see subsectio	n 10.5
7.3	Specific end use(s):	,,				
		ons already specified it is not necessar	ry to provide any spec	ial recommendatio	on regarding the	e uses of this
SEC	TION 8: EXPOSURE	CONTROLS/PERSONAL PRO	TECTION			
0 4						
0.1	Control barameters:					
8.1	Control parameters: Substances whose occ	upational exposure limits have to be n	nonitored in the workp	lace:		
0.1	Substances whose occ	cupational exposure limits have to be n	•	lace:		
0.1	Substances whose occ	cupational exposure limits have to be n exposure limits, fourth edition, publishe Identification	•		ational exposure lin	nits
0.1	Substances whose occ EH40/2005 Workplace	exposure limits, fourth edition, publish	•	Occupa WEL (8h)	ational exposure lin	nits 10 mg/m³
	Substances whose occ EH40/2005 Workplace Glycerol CAS: 56-81-5	exposure limits, fourth edition, publish	•	Оссира	ational exposure lir	
8.2	Substances whose occ EH40/2005 Workplace Glycerol CAS: 56-81-5 Exposure controls:	exposure limits, fourth edition, publish	ed 2020:	Occupa WEL (8h)	ational exposure lin	
	Substances whose occ EH40/2005 Workplace Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative r marking>>. For mo protection,) cons information contain it is not known whe B Respiratory protect	exposure limits, fourth edition, publishe Identification	ed 2020: ve equipment ic Personal Protective Equipment (storage, u he manufacturer. For needs some specifica sures at its disposal.	Occupa WEL (8h) WEL (15 min) Equipment, with t se, cleaning, mair more information s tion from the labor	the correspondi ntenance, class see subsection ur risk preventio	ng < <ukca of 7.1. All on services a</ukca
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	Substances whose occ EH40/2005 Workplace Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative r marking>>. For mo protection,) cons information contain it is not known whe B Respiratory protect The use of protection	exposure limits, fourth edition, publishe Identification	ed 2020: ve equipment ic Personal Protective Equipment (storage, u he manufacturer. For i needs some specifical sures at its disposal. st forms or if the occup	Occupa WEL (8h) WEL (15 min) Equipment, with t se, cleaning, mair more information s tion from the labou pational exposure	the correspondintenance, class see subsection ur risk prevention limits are excer	ng < <ukca of 7.1. All on services as</ukca
	Substances whose occ EH40/2005 Workplace Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative r marking>>. For mo protection,) cons information contain it is not known whe B Respiratory protect The use of protection C Specific protection Pictogram Pictogram Mandatory hand protection As the product is a total reliability and	exposure limits, fourth edition, publishe Identification Identification In measures, such as personal protective neasure it is recommended to use basis re information on Personal Protective I ult the information leaflet provided by t ed herein is a recommendation which ther the company has additional meas ion on equipment will be necessary if a miss for the hands PPE Chemical protective gloves mixture of several substances, the ress has therefore to be checked prior to the	ed 2020: ve equipment ic Personal Protective Equipment (storage, u he manufacturer. For needs some specifica sures at its disposal. st forms or if the occup Replace sistance of the glove m	Occupa WEL (8h) WEL (15 min) Equipment, with t se, cleaning, mair more information s tion from the labou pational exposure Remarks	the correspondintenance, class see subsection ur risk prevention limits are excent	10 mg/m³ ng < <ukca of 7.1. All on services as eded.</ukca
	Substances whose occ EH40/2005 Workplace Glycerol CAS: 56-81-5 Exposure controls: A Individual protection As a preventative r marking>>. For mo protection,) cons information contain it is not known whe B Respiratory protect The use of protection C Specific protection Pictogram Pictogram Mandatory hand protection As the product is a	exposure limits, fourth edition, publishe Identification Identification In measures, such as personal protective neasure it is recommended to use basis re information on Personal Protective I ult the information leaflet provided by t ed herein is a recommendation which ther the company has additional meas ion on equipment will be necessary if a miss for the hands PPE Chemical protective gloves mixture of several substances, the ress has therefore to be checked prior to the	ed 2020: ve equipment ic Personal Protective Equipment (storage, u he manufacturer. For needs some specifica sures at its disposal. st forms or if the occup Replace sistance of the glove m	Occupa WEL (8h) WEL (15 min) Equipment, with t se, cleaning, mair more information s tion from the labou pational exposure Remarks	the correspondintenance, class see subsection ur risk prevention limits are excent	10 mg/m³ ng < <ukca of 7.1. All on services as eded.</ukca



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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	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:	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 info	rmation property of its hazards.



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SEC	SECTION 9: PHYSICAL AND CHEMICAL PROPER		RTIES (continued)
	Upper flammability limit:		Non-applicable *
	Particle characteristics:		
	Median equivale	nt diameter:	Non-applicable
9.2	Other informati	on:	
	Information wit	h regard to physical hazard classe	95:
	Explosive proper	rties:	Non-applicable *
	Oxidising proper	ties:	Non-applicable *
	Corrosive to met	als:	Non-applicable *
	Heat of combust	ion:	Non-applicable *
	Aerosols-total pe components:	ercentage (by mass) of flammable	Non-applicable *
Other safety characteristics:		aracteristics:	
Surface tension at 20 °C:		at 20 °C:	Non-applicable *
	Refraction index:		Non-applicable *
	*Not relevant due to	the nature of the product, not providing infor	mation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (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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TION 11: TO	XICOLOGICAL INFORMATION (co	ontinued)	
- Corrosiv	xicity :Based on available data, the class vity/Irritability: Based on available data, the th the skin and the eyes (acute effect):		
- Contact	with the skin: Based on available data, th with the eyes: Based on available data, th ts (carcinogenicity, mutagenicity and toxic	the classification criteria are not met	
IARC: No - Mutager	genicity: Based on available data, the clas on-applicable nicity: Based on available data, the classif uctive toxicity: Based on available data, th effects:	ification criteria are not met	
- Skin: Ba	tory: Based on available data, the classific used on available data, the classification c rget organ toxicity (STOT) - single exposu	criteria are not met	
Based on a	available data, the classification criteria ar	re not met	
G- Specific tar	rget organ toxicity (STOT)-repeated expo	osure:	
- Skin: Ba	ased on available data, the classification of for this effect. For more information see s	xposure: Based on available data, the classification criteria are n criteria are not met, as it does not contain substances classified section 3.	
Based on a	available data, the classification criteria ar	re not met	
Other informa	ation:		
Non-applicable	a		
	ology information on the substances:		
Not available			
NUL AVAIIADIE			
Acute Toxicity	y Estimate (ATE mix):		
	ATE mix	Ingredient(s) of unknown toxi	icity
Oral	>5000 mg/kg (Calculati	tion method) Non-applicable	
Dermal	>5000 mg/kg (Calculati	tion method) Non-applicable	
Inhalation	>20 mg/L (4 h) (Calcula	lation 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	IN 10 ADIX 2021 and RID 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 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 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 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 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 Code:	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): Labels:	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	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

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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AD	R: European agreement concerning the international carriage of dangerous goods by road
IM	DG: International maritime dangerous goods code
IAT	A: International Air Transport Association
IC/	AO: International Civil Aviation Organisation
CC	DD: Chemical Oxygen Demand
BC	DD5: 5day biochemical oxygen demand
BC	F: Bioconcentration factor
LD	50: Lethal Dose 50
LC	50: Lethal Concentration 50
EC	:50: Effective concentration 50
Lo	gPOW: Octanolwater partition coefficient
	c. Partition coefficient of organic carbon
	I: unique formula identifier
	RC: 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 -



Safety data sheet According to UK REACH

Rapid Barcode / Rapid Barcode Plate

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SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: Rapid Barcode / Rapid Barcode Plate Other means of identification: RBxx
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:
	Oxford Nanopore Technologies Gosling Building, Edmund Halley Road, Oxford Science Park OX4 4DQ Oxford - Oxon - England Phone: +44 (0)845 034 7900 - Fax: +44 (0)845 034 7901 http://www.nanoporetech.com/
1.4	Emergency telephone number: +44 (0)845 034 7900 (9am-5:30pm GMT)
SEC	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.
2.3	P501: Dispose of the contents and/or its container using the separate collection system in your municipality. 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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SEC	TION 4: FIRST	AID MEASURES (continued)	
	By eye contact	:	
	Rinse with wate	r until the product has been eliminated	d. In case of problems, consult a doctor showing the SDS for the product.
	By ingestion/a	spiration:	
	In case of const	umption in large quantities, it is recom	mended to seek medical assistance.
4.2	Most importan	t symptoms and effects, both acute	e and delayed:
	Acute and delay	ed effects are indicated in sections 2	and 11.
4.3	Indication of a	ny immediate medical attention and	special treatment needed:
	Non-applicable		

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

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

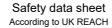
A.- General precautions for safe use



Safety data sheet According to UK REACH

Rapid Barcode / Rapid Barcode Plate

SEC	TION 7: HANDLING	GAND STORAGE (continued)				
		urrent legislation concerning the preven	ntion of industrial risks	with regards manu	ually handling v	veiahts.
	Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions					
It is recommended to transfer at a slow speed to avoid the creation of electrostatic or products. Consult section 10 for conditions and materials that should be avoided.					ould affect flam	mable
	C Technical recommendations on general occupational hygiene Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.					
	D Technical recomn	nendations to prevent environmental risk	ks			
	It is not necessary	/ to take special measures to prevent en	nvironmental risks. Fo	r more information	see subsectio	n 6.2
7.2 Conditions for safe storage, including any incompatibilities:						
	A Technical measu	es for storage				
	Maximum time:	12 Months				
	B General condition	s for storage				
	Avoid sources of	heat, radiation, static electricity and cont	tact with food. For add	ditional information	see subsectio	n 10.5
.3	Specific end use(s):					
	Except for the instruc product.	tions already specified it is not necessar	ry to provide any spec	cial recommendatio	n regarding th	e uses of this
SEC		E CONTROLS/PERSONAL PRO	TECTION			
.1	Control parameters					
	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, publishe Identification		Occupa	tional exposure li	
	EH40/2005 Workplace Glycerol CAS: 56-81-5				tional exposure lii	nits 10 mg/m³
8.2	Glycerol CAS: 56-81-5			Occupa WEL (8h)	tional exposure li	
8.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protecti	Identification	ed 2020:	Occupa WEL (8h) WEL (15 min)		10 mg/m ³
3.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protecti As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protect	Identification on measures, such as personal protectiv measure it is recommended to use basi 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	ed 2020: ve equipment ic Personal Protective Equipment (storage, u he manufacturer. For needs some specifica sures at its disposal.	Occupa WEL (8h) WEL (15 min) E Equipment, with th use, cleaning, main more information s ation from the labou	ne correspondi tenance, class ee subsection ır risk preventio	10 mg/m³ ing < <ukca of 7.1. All on services as</ukca
3.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protecti As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protect	Identification on measures, such as personal protectiv measure it is recommended to use basi 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	ed 2020: ve equipment ic Personal Protective Equipment (storage, u he manufacturer. For needs some specifica sures at its disposal.	Occupa WEL (8h) WEL (15 min) E Equipment, with th use, cleaning, main more information s ation from the labou	ne correspondi tenance, class ee subsection ır risk preventio	10 mg/m³ ing < <ukca of 7.1. All on services as</ukca
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3.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protecti As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protect The use of protect C Specific protection Pictogram Mandatory hand protection As the product is total reliability and	Identification on measures, such as personal protectiv measure it is recommended to use basi ore information on Personal Protective I sult the information leaflet provided by t ned herein is a recommendation which i 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 (storage, u he manufacturer. For needs some specifica sures at its disposal. st forms or if the occu Replace	Occupa WEL (8h) WEL (15 min) e Equipment, with the use, cleaning, main more information s ation from the labour pational exposure I Remarks e the gloves at any sign	ne correspondi tenance, class ee subsection ir risk prevention imits are exce	10 mg/m ^a ing < <ukca of 7.1. All on services as eded.</ukca
3.2	Glycerol CAS: 56-81-5 Exposure controls: A Individual protecti As a preventative marking>>. For m protection,) con information contai it is not known wh B Respiratory protec The use of protect C Specific protection Pictogram Mandatory hand protection As the product is total reliability and D Eye and face protection	Identification on measures, such as personal protectiv measure it is recommended to use basi 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 l has therefore to be checked prior to the ection	ed 2020: ve equipment ic Personal Protective Equipment (storage, u he manufacturer. For needs some specifica sures at its disposal. st forms or if the occu Replace istance of the glove n e application.	Occupa WEL (8h) WEL (15 min) e Equipment, with the use, cleaning, main more information solution pational exposure I Remarks e the gloves at any signer naterial can not be a Remarks	ne correspondi tenance, class iee subsection ir risk preventio imits are exce n of deterioration. calculated in a	10 mg/m³ ing < <ukca of 7.1. All on services as eded.</ukca



Rapid Barcode / Rapid Barcode Plate

CTION 8: EXPOSURE CONTROLS/PERS	
Pictogram PPE	Remarks
Work clothing	Replace before any evidence of deterioration. For periods of prolonged expo 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 emerge	ency measures.
Environmental exposure controls:	
In accordance with the community legislation fo spillage of both the product and its container. Fo	or the protection of the environment it is recommended to avoid environmental or additional information see subsection 7.1.D
TION 9: PHYSICAL AND CHEMICAL PR	OPERTIES
Information on basic physical and chemical	properties:
For complete information see the product datas	heet.
Appearance:	
Physical state at 20 °C:	Liquid
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:	1131.6 kg/m ³
Relative density at 20 °C:	1.132
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 ºC)
Flammability (solid, gas):	Non-applicable *

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



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SEC	TION 9: PHYS	ICAL AND CHEMICAL PROP	PERTIES (continued)
	Upper flammab	lity limit:	Non-applicable *
	Particle charac	teristics:	
	Median equivale	ent diameter:	Non-applicable
9.2	Other informat	ion:	
	Information wi	th regard to physical hazard clas	sses:
	Explosive prope	erties:	Non-applicable *
	Oxidising prope	rties:	Non-applicable *
	Corrosive to me	tals:	Non-applicable *
	Heat of combus	tion:	Non-applicable *
	Aerosols-total p components:	ercentage (by mass) of flammable	Non-applicable *
	Other safety cl	naracteristics:	
	Surface tension	at 20 °C:	Non-applicable *
	Refraction index	κ:	Non-applicable *
	*Not relevant due to	o the nature of the product, not providing in	nformation 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 (c	continued)	
- Corrosiv	kicity :Based on available data, the cla ty/Irritability: Based on available data, t h the skin and the eyes (acute effect):		
- Contact	with the skin: Based on available data, with the eyes: Based on available data, s (carcinogenicity, mutagenicity and tox	the classification criteria a	
IARC: No - Mutagen	enicity: Based on available data, the cl n-applicable icity: Based on available data, the class ctive toxicity: Based on available data, effects:	sification criteria are not me	et
- Skin: Ba	ory: Based on available data, the classi sed on available data, the classification get organ toxicity (STOT) - single expos	criteria are not met	t
Based on a	Based on available data, the classification criteria are not met G- Specific target organ toxicity (STOT)-repeated exposure:		
G- Specific tar			
 Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified a hazardous for this effect. For more information see section 3. H- Aspiration hazard: Based on available data, the classification criteria are not met 			
Other informa			
Non-applicable			
	blogy information on the substances		
Not available			
Acute Toxicity	estimate (ATE mix):		
	ATE mix		Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calcul		Non-applicable
Dermal	>5000 mg/kg (Calcul	ation method)	Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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

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

Non-applicable

12.1 Toxicity:

Not available

Inhalation

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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SECT	SECTION 13: DISPOSAL CONSIDERATIONS				
13.1	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:

withtega		
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 Non-applicable
	Transport hazard class(es):	Non-applicable
14.3	Transport hazard class(es): Labels: Packing group: Marine pollutant:	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:	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	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



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): Labels:	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	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

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

Rapid Barcode / Rapid Barcode Plate

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SECTION 16: OTH	HER INFORMATION (continued)	
IMDG: International IATA: International ICAO: International ICAO: International BOD5: 5day bit BCF: Bioconce LD50: Lethal D LC50: Lethal D EC50: Effective LogPOW: Octa Koc: Partition of UFI: unique for	tional maritime dangerous goods code onal Air Transport Association ional Civil Aviation Organisation al Oxygen Demand ochemical oxygen demand entration factor Dose 50 Concentration 50 e concentration 50 anolwater partition coefficient coefficient of organic carbon	al carriage of dangerous goods 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.



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1	Product identifier:	Sequencing Buffer
	Other means of identification	:
	SB	
1.2	Relevant identified uses of the	e substance or mixture and uses advised against:
	Relevant uses: Research use of	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 Hall OX4 4DQ Oxford - Oxon - Eng Phone: +44 (0)845 034 7900 - http://www.nanoporetech.com/	ey Road, Oxford Science Park and
1.4		er: +44 (0)845 034 7900 (9am-5:30pm GMT)

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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SECTION 4: FIRST AID MEASURES (continued) In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

By eye contact:

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

By ingestion/aspiration:

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

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

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

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

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...). 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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SECT	ION 7: HANDLING AND STORAGE (continued)
	A General precautions for safe use
	Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). B Technical recommendations for the prevention of fires and explosions
	It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. C Technical recommendations on general occupational hygiene
	Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
	D Technical recommendations to prevent environmental risks
	It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2
7.2	Conditions for safe storage, including any incompatibilities:
	A Technical measures for storage
	Maximum time: 12 Months
	B General conditions for storage
	Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5
7.3	Specific end use(s):
	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.
SECT	ION 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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SECTIO	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:	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	rmation property of its hazards.



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SEC	SECTION 9: PHYSICAL AND CHEMICAL PROPER		RTIES (continued)
	Upper flammability limit:		Non-applicable *
	Particle characteristics:		
	Median equivalent diamet	ter:	Non-applicable
9.2	Other information:		
	Information with regard	to physical hazard classes	S:
	Explosive properties:		Non-applicable *
	Oxidising properties:		Non-applicable *
	Corrosive to metals:		Non-applicable *
	Heat of combustion:		Non-applicable *
	Aerosols-total percentage components:	e (by mass) of flammable	Non-applicable *
	Other safety characteris	stics:	
	Surface tension at 20 °C:		Non-applicable *
	Refraction index:		Non-applicable *
	*Not relevant due to the nature	of the product, not providing inform	nation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (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: TO	(ICOLOGICAL INFORMATION (cont	inued)
- Corrosiv	xicity :Based on available data, the classifi ity/Irritability: Based on available data, the c h the skin and the eyes (acute effect):	
 Contact 	with the skin: Based on available data, the o with the eyes: Based on available data, the is (carcinogenicity, mutagenicity and toxicity	e classification criteria are not met
IARC: No - Mutage	genicity: Based on available data, the classi on-applicable nicity: Based on available data, the classifica nctive toxicity: Based on available data, the o effects:	ation criteria are not met
- Skin: Ba	ory: Based on available data, the classificat sed on available data, the classification crite get organ toxicity (STOT) - single exposure	eria are not met
Based on a	available data, the classification criteria are r	not met
G- Specific ta	get organ toxicity (STOT)-repeated exposu	re:
- Skin: Ba hazardous H- Aspiration	sed on available data, the classification crite for this effect. For more information see sec	
Other informa		
Non-applicable		
	ology information on the substances:	
Not available		
Acute Toxicit	y Estimate (ATE mix):	
Oral	ATE mix	Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calculation	
Dermal	>5000 mg/kg (Calculation	n method) Non-applicable

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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

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

12.1 Toxicity:

Not available

Inhalation

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				
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	Non-applicable		
	Code:			
Transport 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 regard to IATA/ICAO 2022				

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): Labels:	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	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

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 LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective 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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