

Safety Data Sheet

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According to REACH Regulations (EC) 1907/2006 and (EU) 2020/878

Corsham SN13 9SW

United Kingdom

1.	Identification of the substance/mixture and of the company/undertaking			
1.1	Product identifier			
	Product name : CAS number : EINECS : Physical form :	5	or this substance as the substance or its uses nual tonnage does not require a registration or	
1.2	Relevant identified uses of the substance or mixture and uses advised against			
	PC21: Laboratory chem	nicals.		
1.3	Details of the supplier of the safety data sheet			
	Company name :		elephone : +44 (0) 1225 667 798 ax : +44 (0) 2033 978 909	

1.4 Emergency telephone number

Emergency telephone : NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours), +44 (0) 1225 667 798 (09.00 – 17.00 GMT) number

Email

Web

: info@glentham.com

: www.glentham.com

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP according to (EC) 1272/2008

H224	Flam. Liq. 1
H302	Acute Tox. 4
H335	STOT SE 3
H336	STOT SE 3

2.2 Label elements

Label elements under CLP according to (EC) 1272/2008

Pictograms



Signal words	Danger
Hazard statements	
H224	Extremely flammable liquid and vapour
H302	Harmful if swallowed
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
EUH019	May form explosive peroxides.
EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements	5
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: call a POISON CENTER/doctor/ IF you feel unwell.
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
P264	Do not breathe fume.
P241	Use explosion-proof electrical equipment.
011	

2.3 Other hazards

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PBT

This substance is not identified as a PBT substance.

Substances						
Name		Identifier	%	Classification		
Diethyl Ether, Glen with BHT	Dry™, anhydrous stabilised	CAS: 60-29-7 EC: 200-467-2 REACH: Not applicable		H224, Flam. Liq. 1 H302, Acute Tox. 4 H335, STOT SE 3 H336, STOT SE 3		
First aid measures						
Description of first a	id measures					
Skin contact		ontaminated clothes		ter for 10 minutes or longer if substance i r immediately unless stuck to skin. Wash		
Eye contact	Consult a doctor. Bathe the eye with running water for 15 minutes.					
Ingestion	Consult a doctor. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible. Wash out mouth with water.					
Inhalation	Transfer to hospital as soon as possible. Consult a doctor. Remove casualty from exposure ensuring one's own safety whilst doing so.					
Most important symp	otoms and effects, both acute	and delayed				
Skin contact	There may be mild irritatio	on at the site of conta	ct.			
Eye contact	There may be irritation and redness. There may be pain and redness.					
Ingestion	Nausea and stomach pain may occur. There may be difficulty swallowing. There may be irritation of the throat. There may be soreness and redness of the mouth and throat. There may be vomiting.					
Inhalation	Absorption through the lungs can occur causing symptoms similar to those of ingestion. Nausea and stomach pain may occur. There may be irritation of the throat with a feeling of tightness in the chest There may be vomiting.					
Delayed / immediate effects	Delayed effects can be ex short-term exposure. Nau		•	Immediate effects can be expected after		

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment

Do not induce vomiting.

5. Fire-fighting measures

5.1 Extinguishing media

Alcohol resistant foam. Carbon dioxide. Dry chemical powder. Suitable extinguishing media for the surrounding fire should be used. Water spray.

5.2 Special hazards arising from the substance or mixture

Exposure hazards

Highly flammable. In combustion emits toxic fumes. May form flammable / explosive dust-air mixture.

5.3 Advice for fire-fighters

Wear protective clothing to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures



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Personal precautions

Do not create dust. Eliminate all sources of ignition. If outside do not approach from downwind. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Notify the police and fire brigade immediately. Refer to section 8 of SDS for personal protection details.

6.2 Environmental precautions

Do not discharge into drains or rivers.

6.3 Methods and material for containment and cleaning up

Clean-up procedures

Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4 Reference to other sections

Refer to section 8 of SDS.

7. Handling and storage

7.1 Precautions for safe handling

Handling requirements

Avoid direct contact with the substance. Avoid the formation or spread of dust in the air. Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Avoid contact with water or humidity. Ensure lighting and electrical equipment are not a source of ignition. Keep away from sources of ignition. Keep container tightly closed. Prevent the build up of electrostatic charge in the immediate area. Store in cool, well ventilated area.

7.3 Specific end use(s)

No data available.

8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

Substance (CAS)	Control Parameter	Value	Notes	Source
Diethylether (60-29-7)	Long-term Exposure Limit (ppm)	308		2000/39/EC
	Long-term Exposure Limit (mg m ⁻³)	100		
	Short-term Exposure Limit (ppm)	616		
	Short-term Exposure Limit (mg m ⁻³)	200		
	Long-term Exposure Limit (ppm)	100		UK HSE EH40/2005
	Long-term Exposure Limit (mg m ⁻³)	310		
	Short-term Exposure Limit (ppm)	200		
	Short-term Exposure Limit (mg m ⁻³)	620		

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	Short-term Exposure Limit (ppm)	200	
	Short-term Exposure Limit (mg m ⁻³)	620	

8.2 Exposure controls

9.1

Engineering measures	Ensure lighting and electrical equipment are not a source of ignition. Ensure there is sufficient ventilation of the area.
Respiratory protection	Respiratory protective device with particle filter.
Hand protection	Protective gloves.
Eye protection	Ensure eye bath is to hand. Safety glasses.
Skin protection	Protective clothing.

9. Physical and chemical properties

Information on basic physical and chemical prope	rties
Physical state	No data available.
Colour	No data available.
Odour	No data available.
Melting point/Freezing point	-116 °C
Boiling point/initial boiling point/boiling range	2.2 °C @ Press: 200 Torr
Flammability	No data available.
Lower/Upper explosion limit	No data available.
Flash Point	No data available.
Auto-ignition temperature	175°C
Decomposition temperature	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	64.9 g/L @ 20 °C
Partition coefficient n-octanol/water	No data available.
Vapour pressure	No data available.
Density/relative density	No data available.
Relative vapour pressure	No data available.
Particle characteristics	No data available.

9.2 Other information

No data available.

10. Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable at room temperature. Stable under normal conditions.

^{10.3} Possibility of hazardous reactions

Hazardous reactions

Decomposition may occur on exposure to conditions or materials listed below. Hazardous reactions will not occur under normal transport or storage conditions.



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10.4	Conditions to avoid	
	Flames. Hot surfaces.	Sources of ignition. Heat.
10.5	Incompatible material	S
	Materials to avoid	
	Carbon dioxide. Strong	g acids. Strong oxidising agents.
11.	Toxicological informa	tion
11.1	Information on toxico	logical effects
a)	Acute toxicity Diethylether	
	14 d LC50 Guppy (Por 90 min LC50 Mouse (I LD50 Mouse (IP): 242 LD50 Mouse (IV): 996	0 mg/kg
	Diethyl ether	
	90 min LC50 Mouse (I LD50 Mouse (IP): 242	0 mg/kg
b)	LD50 Mouse (IV): 996	
b)	Skin corrosion/irritation	טח ער גער גער גער גער גער גער גער גער גער ג
c)	Serious eye damage/in No data available.	rritation
d)	Respiratory or skin se No data available.	nsitisation
e)	Germ cell mutagenicit	у
f)	Carcinogenicity	
g)	Reproductive toxicity No data available.	
h)	STOT-single exposure	
	• ·	- oxicity, single exposure; Respiratory tract irritation (Category 3)
i)	STOT-repeated expos	
	No data available.	
j)	Aspiration hazard	
	No data available.	
	Symptoms / routes of	exposure
	Skin contact	There may be mild irritation at the site of contact.
	Eye contact	There may be irritation and redness. There may be pain and redness.
	Ingestion	Nausea and stomach pain may occur. There may be difficulty swallowing. There may be irritation of the throat. There may be soreness and redness of the mouth and throat. There may be vomiting.
	Inhalation	Absorption through the lungs can occur causing symptoms similar to those of ingestion. Nausea and stomach pain may occur. There may be irritation of the throat with a feeling of tightness in the chest. There may be vomiting.
	Delayed / immediate effects	Delayed effects can be expected after long-term exposure. Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur.
	Other information	No data available.



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11.2	Information on other ha	azards					
11.2.1	Endocrine disrupting pro	perties					
	This product does not c	ontain known or suspecte	d endocrine disruptors a	ccording to REACH or rele	evant EU Regulations.		
11.2.2	Other information						
	No additional informatio	'n					
12.	Ecological information						
12.1	Toxicity						
	No data available.						
12.2	Persistence and degrad	dability					
	Biodegradable.						
12.3	Bioaccumulative poten	tial					
	No bioaccumulation pot	ential.					
12.4	Mobility in soil						
	Readily absorbed into s	oil.					
12.5	Results of PBT and vPv	/B assessment					
	This substance is not id	entified as a PBT substar	nce.				
12.6	Endocrine disrupting p	roperties					
	This substance is not id	entified as having endocri	ine disrupting properties				
12.7	Other adverse effects						
	No data available.						
13.	Disposal consideration						
13.1	Waste treatment metho	ods					
	Disposal operations	ontainer and arrange for c	ollection by specialised (lisposal company			
	Transfer to a suitable container and arrange for collection by specialised disposal company.						
		Irawn to the possible exist	tence of regional or natio	nal regulations regarding o	disposal.		
		·	-				
14.	Transport information						
	ADR	IMDG	ΙΑΤΑ	ADN	RID		
	14.1. UN number						
	UN1155	UN1155	UN1155	UN1155	UN1155		
	14.2. UN proper shipping na	ame					
	DIETHYL ETHER	DIETHYL ETHER	Diethyl ether	DIETHYL ETHER	DIETHYL ETHER		
	Transport document descri	Transport document description					
	UN1155 DIETHYL ETHER, 3, I	UN1155 DIETHYL ETHER, 3, I	UN1155 Diethyl ether, 3, I	UN1155 DIETHYL ETHER, 3, I	UN1155 DIETHYL ETHER, 3, I		

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15. 15.1

15.2

16.

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14.4. Packing group)			
I	I	I	I	I
14.5. Environmenta	l hazards			
No	No	No	No	No
egulatory inform	nation			
afety, health and env	vironmental regulations/legi	slation specific for the substand	ce or mixture	
his Safety Data egulation (EU) 2		ccordance with Commissi	ion Regulation (EC) 1907/2	2006, amended by Commission
uthorisations/Restri	ctions			
Regulation (EC authorisation:	C) 1907/2006, REACH	, Annex XIV list of substa	nces subject to	No data available.
	C) 1907/2006, REACH and use of certain dan		on the manufacture, placing	g No data available.
Regulation (EC	C) 1005/2009 on subst	ances that deplete the oz	one layer:	No data available.
Regulation (E0 2019/1021:	C) 850/2004 on persist	ent organic pollutants, am	nended by (EU) No	No data available.
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chemical salety			ubstance or the mixture by	
ther information	2			
ther information				
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REACH RID	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations Concerning the International Carriage of Dangerous Goods by Rail
SC	Subcutaneous
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL	Workplace Exposure Limits

This Safety Data Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commission Regulation (EU) 2020/878.

Disclaimer: Glentham Life Sciences shall not be held liable for any damage resulting from handling or from contact with the above product. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This document does not guarantee the properties or quality of the product.

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