

according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended

Creation Date 11-Aug-2009

Revision Date 11-Oct-2023

Revision Number 10

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier				
Product Description: Cat No. : Molecular Formula	(Trimethylsilyl)diazomethane, ca. 2M solution in diethylether 429200000, 429201000 C4 H10 N2 Si			
Unique Formula Identifier (UFI)	RKED-Q3Y3-5X0C-NFC1			
1.2. Relevant identified uses of the	substance or mixture and uses advised against			
Recommended Use Uses advised against	Laboratory chemicals. No Information available			
1.3. Details of the supplier of the sa	fety data sheet			
Company	UK entity/business name Fisher Scientific UK Bishop Meadow Road, Loughborough, Leicestershire LE11 5RG, United Kingdom EU entity/business name Thermo Fisher Scientific Janssen Pharmaceuticalaan 3a, 2440 Geel, Belgium			
E-mail address	begel.sdsdesk@thermofisher.com			
1.4. Emergency telephone number	For information <b>US</b> call: 001-800-227-6701 / <b>Europe</b> call: +32 14 57 52 11 Emergency Number <b>US</b> :001-201-796-7100 / <b>Europe:</b> +32 14 57 52 99 <b>CHEMTREC</b> Tel. No. <b>US</b> :001-800-424-9300 / <b>Europe:</b> 001-703-527-3887			
Poison Centre - Emergency information services	Ireland : National Poisons Information Centre (NPIC) - 01 809 2166 (8am-10pm, 7 days a week) Malta : +356 2395 2000 Cyprus : +357 2240 5611			

**SECTION 2: HAZARDS IDENTIFICATION** 

#### 2.1. Classification of the substance or mixture

CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

### Physical hazards

Flammable liquids

Category 1 (H224)

#### (Trimethylsilyl)diazomethane, ca. 2M solution in diethylether

#### Health hazards

Acute oral toxicity Acute Inhalation Toxicity - Vapors Carcinogenicity Specific target organ toxicity - (single exposure)

#### **Environmental hazards**

Based on available data, the classification criteria are not met

Full text of Hazard Statements: see section 16

#### 2.2. Label elements



Signal Word

Danger

#### **Hazard Statements**

H224 - Extremely flammable liquid and vapor

- H302 Harmful if swallowed
- H330 Fatal if inhaled
- H336 May cause drowsiness or dizziness
- H350 May cause cancer

H370 - Causes damage to organs

EUH019 - May form explosive peroxides

EUH066 - Repeated exposure may cause skin dryness or cracking

#### **Precautionary Statements**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P310 - Immediately call a POISON CENTER or doctor/physician

#### 2.3. Other hazards

Toxic to terrestrial vertebrates

This product does not contain any known or suspected endocrine disruptors

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.2. Mixtures

Component CAS No	EC No	Weight %	CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and
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Category 4 (H302) Category 2 (H330) Category 1B (H350) Category 3 (H336) Category 1 (H370)

(Trimethylsilyl)diazomethane, ca. 2M solution in diethylether

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				UK SI 2020/1567
(Trimethylsilyl)diazomethane	18107-18-1		30	Acute Tox. 2 (H330)
				Carc. 1B (H350)
				STOT SE 1 (H370)
Ethyl ether	60-29-7	EEC No. 200-467-2	70	Flam. Liq. 1 (H224)
				Acute Tox. 4 (H302)
				STOT SE 3 (H336)
				(EUH019)
				(EUH066)

#### Full text of Hazard Statements: see section 16

### **SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

General Advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.
Self-Protection of the First Aider	Use personal protective equipment as required.
4.2. Most important symptoms and	effects, both acute and delayed
	None reasonably foreseeable. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

#### 4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

### **SECTION 5: FIREFIGHTING MEASURES**

#### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam. Water mist may be used to cool closed containers.

# Extinguishing media which must not be used for safety reasons No information available.

#### 5.2. Special hazards arising from the substance or mixture

#### (Trimethylsilyl)diazomethane, ca. 2M solution in diethylether

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Extremely flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

#### Hazardous Combustion Products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NOx), Silicon dioxide.

#### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

#### 6.2. Environmental precautions

Should not be released into the environment.

#### 6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

#### 6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

### **SECTION 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe mist/vapors/spray. Do not ingest. If swallowed then seek immediate medical assistance.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Containers should be dated when opened and tested periodically for the presence of peroxides. Should crystals form in a peroxidizable liquid, peroxidation may have occurred and the product should be considered extremely dangerous. In this instance, the container should only be opened remotely by professionals. Keep away from heat, sparks and flame. To maintain product quality: Keep refrigerated.

Technical Rules for Hazardous Substances (TRGS) 510 Class 3 Storage Class (LGK) (Germany)

#### 7.3. Specific end use(s)

Use in laboratories

(Trimethylsilyl)diazomethane, ca. 2M solution in diethylether

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1. Control parameters

#### Exposure limits

List source(s): **EU** - Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC **UK** - EH40/2005 Work Exposure Limits, Fourth edition. Published 2020. **IRE** - 2021 Code of Practice for the Chemical Agents Regulations, Schedule 1. Published by the Health and Safety Authority

Component	The United Kingdom	European Union	Ireland
Ethyl ether	STEL: 200 ppm 15 min	TWA: 100 ppm (8h)	TWA: 100 ppm 8 hr.
	STEL: 620 mg/m <sup>3</sup> 15 min	TWA: 308 mg/m <sup>3</sup> (8h)	TWA: 308 mg/m <sup>3</sup> 8 hr.
	TWA: 100 ppm 8 hr	STEL: 200 ppm (15min)	STEL: 200 ppm 15 min
	TWA: 310 mg/m <sup>3</sup> 8 hr	STEL: 616 mg/m <sup>3</sup> (15min)	STEL: 616 mg/m <sup>3</sup> 15 min

#### **Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

#### Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

Component	Acute effects local (Dermal)	Acute effects systemic (Dermal)	Chronic effects local (Dermal)	Chronic effects systemic (Dermal)
Ethyl ether 60-29-7 ( 70 )				DNEL = 44mg/kg bw/day

Component	Acute effects local (Inhalation)	Acute effects systemic (Inhalation)	Chronic effects local (Inhalation)	Chronic effects systemic (Inhalation)
Ethyl ether 60-29-7 ( 70 )		DNEL = 616mg/m <sup>3</sup>		DNEL = 308mg/m <sup>3</sup>

#### Predicted No Effect Concentration (PNEC)

See values below.

Component	Fresh water	Fresh water sediment	Water Intermittent	Microorganisms in sewage treatment	
Ethyl ether 60-29-7(70)	PNEC = 2mg/L	PNEC = 9.14mg/kg sediment dw	PNEC = 1.65mg/L		PNEC = 0.66mg/kg soil dw

Component	Marine water	Marine water sediment	Marine water intermittent	Food chain	Air
Ethyl ether	PNEC = 0.2mg/L	PNEC =			
60-29-7 (70)	_	0.914mg/kg			
		sediment dw			

#### 8.2. Exposure controls

#### Engineering Measures

Use only under a chemical fume hood. Use explosion-proof electrical/ventilating/lighting equipment. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

Personal protective equip Eye Protection		fety glasses with side	shields (or goggles)	(European standard - EN 166)			
Hand Protection	Protectiv	Protective gloves					
Natural rubber S	Breakthrough time See manufacturers recommendations	Glove thickness -	EU standard EN 374	Glove comments (minimum requirement)			
Skin and body protecti	ion Long sle	eved clothing.					
Refer to manufacturer/supp Ensure gloves are suitable f	blier for information) or the task: Chemica ke into consideration	al compatability, Dext the specific local co	erity, Operational con	rovided by the supplier of the gloves. ditions, User susceptibility, e.g. the product is used, such as the danger			
Respiratory Protection	ry Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit an and maintained properly						
Large scale/emergency use Use a NIOSH/MSHA or European Standard EN 136 approved respirator if are exceeded or if irritation or other symptoms are experienced Recommended Filter type: Organic gases and vapours filter Type A Browen EN14387				experienced			
Small scale/Laboratory us	<ul> <li>Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if explimits are exceeded or if irritation or other symptoms are experienced.</li> <li>Recommended half mask:- Valve filtering: EN405; or; Half mask: EN140; plus filter 141</li> <li>When RPE is used a face piece Fit Test should be conducted</li> </ul>						
Environmental exposure c	controls No inform	trols No information available.					
S	SECTION 9: PH	IYSICAL AND	CHEMICAL PRO	OPERTIES			
9.1. Information on basic p	ohysical and chemi	cal properties					
Physical State	Liquid						

Physical State	Liquid	
Appearance		
Odor	No information available	
Odor Threshold	No data available	
Melting Point/Range	No data available	
Softening Point	No data available	
Boiling Point/Range	No information available	
Flammability (liquid)	Extremely flammable	On basis of test data
Flammability (solid,gas)	Not applicable	Liquid
Explosion Limits	No data available	
Flash Point	-35 °C / -31 °F	Method - No information available
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
pH	No information available	
Viscosity	No data available	
Water Solubility	No information available	
Solubility in other solvents	No information available	

#### (Trimethylsilyl)diazomethane, ca. 2M solution in diethylether

Partition Coefficient (n-octanol/	water)	
Component	log Pow	
Ethyl ether	0.82	
Vapor Pressure	No data available	
Density / Specific Gravity	No data available 0.75-0.8	
Bulk Density	Not applicable	Liquid
Vapor Density	No data available	(Air = 1.0)
Particle characteristics	Not applicable (liquid)	
9.2. Other information		
Molecular Formula	C4 H10 N2 Si	
Molecular Weight	114.23	

Molecular Formula	C4 H10 N2 Si
Molecular Weight	114.23
Explosive Properties	Vapors may form explosive mixtures with air

## **SECTION 10: STABILITY AND REACTIVITY**

10.1. Reactivity	Νο
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous react	ions
Hazardous Polymerization Hazardous Reactions	Hazardous polymerization does not occur. None under normal processing.
10.4. Conditions to avoid	Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition.
10.5. Incompatible materials	Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NOx). Silicon dioxide.

### **SECTION 11: TOXICOLOGICAL INFORMATION**

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

#### **Product Information**

(a) acute toxicity;	
Oral	No data available
Dermal	No data available
Inhalation	No data available

#### Toxicology data for the components

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl ether	1215 mg/kg (Rat)	20 mL/kg (Rabbit)	32000 ppm (Rat)4 h

(b) skin corrosion/irritation; No data available

(Trimethylsilyl)diazomethane, ca. 2M solution in diethylether

(c) serious eye damage/irritation;	No data available
(d) respiratory or skin sensitization; Respiratory Skin	No data available No data available
(e) germ cell mutagenicity;	No data available
(f) carcinogenicity;	No data available May cause cancer by inhalation
(g) reproductive toxicity;	No data available
(h) STOT-single exposure;	No data available
Results / Target organs	Central nervous system (CNS).
(i) STOT-repeated exposure;	No data available
Target Organs	No information available.
(j) aspiration hazard;	No data available
Other Adverse Effects	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information
Symptoms / effects,both acute and delayed	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
11.2. Information on other hazards	

**Endocrine Disrupting Properties** Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

### **SECTION 12: ECOLOGICAL INFORMATION**

#### 12.1. Toxicity Ecotoxicity effects

Do not empty into drains. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

Component	Freshwater Fish	Water Flea	Freshwater Algae
Ethyl ether	LC50: > 10000 mg/L, 96h static (Lepomis macrochirus) LC50: = 2560 mg/L, 96h flow-through (Pimephales promelas)	EC50 = 165 mg/L/24h	

Component	Microtox	M-Factor
Ethyl ether	EC50 = 5600 mg/L 15 min	

(Trimethylsilyl)diazomethane, ca. 2M solution in diethylether

**12.2. Persistence and degradability** No information available

12.3. Bioaccumulative potential No information available

Component	log Pow	Bioconcentration factor (BCF)				
Ethyl ether	0.82	No data available				
<u>12.4. Mobility in soil</u>	No information available .					
12.5. Results of PBT and vPvB assessment	lo data available for assessment.					
<u>12.6. Endocrine disrupting</u> properties Endocrine Disruptor Information	This product does not contain any known or suspected endocrine disruptors					
<u>12.7. Other adverse effects</u> Persistent Organic Pollutant Ozone Depletion Potential	This product does not contain any known or This product does not contain any known or	•				

## **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1. Waste treatment methods

Waste from Residues/Unused Products	Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.
Contaminated Packaging	Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep product and empty container away from heat and sources of ignition.
European Waste Catalogue (EWC)	According to the European Waste Catalog, Waste Codes are not product specific, but application specific.
Other Information	Waste codes should be assigned by the user based on the application for which the product was used. Do not flush to sewer. Can be landfilled or incinerated, when in compliance with local regulations.

### **SECTION 14: TRANSPORT INFORMATION**

#### IMDG/IMO

14.1. UN number	UN1992
14.2. UN proper shipping name	Flammable liquid, toxic, n.o.s.
Technical Shipping Name	Ethyl ether ,(Trimethylsilyl)diazomethane
14.3. Transport hazard class(es)	3
Subsidiary Hazard Class	6.1
14.4. Packing group	I
ADR	

14.1. UN number

UN1992

14.2. UN proper shipping name Technical Shipping Name 14.3. Transport hazard class(es) Subsidiary Hazard Class 14.4. Packing group	Flammable liquid, toxic, n.o.s. Ethyl ether ,(Trimethylsilyl)diazomethane 3 6.1 I
IATA	
<u>14.1. UN number</u> <u>14.2. UN proper shipping name</u> Technical Shipping Name <u>14.3. Transport hazard class(es)</u> Subsidiary Hazard Class <u>14.4. Packing group</u>	UN1992 Flammable liquid, toxic, n.o.s. Ethyl ether ,(Trimethylsilyl)diazomethane 3 6.1 I
14.5. Environmental hazards	No hazards identified
14.6. Special precautions for user	No special precautions required.
<u>14.7. Maritime transport in bulk</u> according to IMO instruments	Not applicable, packaged goods

### **SECTION 15: REGULATORY INFORMATION**

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

#### International Inventories

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

Component	CAS No	EINECS	ELINCS	NLP	IECSC	TCSI	KECL	ENCS	ISHL
(Trimethylsilyl)diazomethane	18107-18-1	-	-	-	-	Х	-	-	-
Ethyl ether	60-29-7	200-467-2	-	-	Х	Х	KE-27690	Х	Х
Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive		DSL	NDSL	AICS	NZIoC	PICCS
(Trimethylsilyl)diazomethane	18107-18-1	-	-		-	-	-	-	-
Ethyl ether	60-29-7	Х	ACTIVE		Х	-	Х	Х	Х

Legend: X - Listed '-' - Not Listed KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

#### Authorisation/Restrictions according to EU REACH

Not applicable

Component	CAS No	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization		REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
(Trimethylsilyl)diazomethane	18107-18-1	-	-	-
Ethyl ether	60-29-7	-	-	-

#### Seveso III Directive (2012/18/EC)

Component	CAS No	Seveso III Directive (2012/18/EC) - Seveso III Directive (2012/18/EC)	
_		Qualifying Quantities for Major Accident	Qualifying Quantities for Safety Report
		Notification	Requirements
(Trimethylsilyl)diazomethane	18107-18-1	Not applicable	Not applicable

#### (Trimethylsilyl)diazomethane, ca. 2M solution in diethylether

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Ethyl ether	60-29-7	Not applicable	Not applicable
			· · · · · · · · · · · · · · · · · · ·

#### Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

#### Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

Take note of Dir 76/769/EEC relating to restrictions on the marketing and use of certain dangerous substances and preparations

#### **National Regulations**

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

#### WGK Classification

Water endangering class = 3 (self classification)

Component	Germany - Water Classification (AwSV)	Germany - TA-Luft Class
Ethyl ether	WGK1	

Component	France - INRS (Tables of occupational diseases)
Ethyl ether	Tableaux des maladies professionnelles (TMP) - RG 84

Component	Switzerland - Ordinance on the Reduction of Risk from handling of hazardous substances preparation (SR 814.81)	Switzerland - Ordinance on Incentive Taxes on Volatile Organic Compounds (OVOC)	Switzerland - Ordinance of the Rotterdam Convention on the Prior Informed Consent Procedure
Ethyl ether 60-29-7(70)		Group I	

#### 15.2. Chemical safety assessment

Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures

SECTION	16: O	THER	INFOR	MATION
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#### Full text of H-Statements referred to under sections 2 and 3

H336 - May cause drowsiness or dizziness H350 - May cause cancer EUH019 - May form explosive peroxides EUH066 - Repeated exposure may cause skin dryness or cracking H302 - Harmful if swallowed H330 - Fatal if inhaled

#### Legend

**CAS** - Chemical Abstracts Service

Substances/EU List of Notified Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory EINECS/ELINCS - European Inventory of Existing Commercial Chemical DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

#### (Trimethylsilyl)diazomethane, ca. 2M solution in diethylether

<b>PICCS</b> - Philippines Inventory of Chemicals and Chemical Substances	ENCS - Japanese Existing and New Chemical Substances			
IECSC - Chinese Inventory of Existing Chemical Substances	AICS - Australian Inventory of Chemical Substances			
KECL - Korean Existing and Evaluated Chemical Substances	NZIOC - New Zealand Inventory of Chemicals			
-	·			
·····				
WEL - Workplace Exposure Limit	TWA - Time Weighted Average			
ACGIH - American Conference of Governmental Industrial Hygienists	IARC - International Agency for Research on Cancer			
DNEL - Derived No Effect Level	Predicted No Effect Concentration (PNEC)			
RPE - Respiratory Protective Equipment	LD50 - Lethal Dose 50%			
LC50 - Lethal Concentration 50%	EC50 - Effective Concentration 50%			
<b>NOEC</b> - No Observed Effect Concentration	POW - Partition coefficient Octanol:Water			
PBT - Persistent, Bioaccumulative, Toxic	vPvB - very Persistent, very Bioaccumulative			
ADR - European Agreement Concerning the International Carriage of	ICAO/IATA - International Civil Aviation Organization/International Air			
Dangerous Goods by Road	Transport Association			
<b>IMO/IMDG</b> - International Maritime Organization/International Maritime	<b>MARPOL</b> - International Convention for the Prevention of Pollution from			
Dangerous Goods Code	Ships			
<b>OECD</b> - Organisation for Economic Co-operation and Development	ATE - Acute Toxicity Estimate			
<b>BCF</b> - Bioconcentration factor	<b>VOC</b> - (Volatile Organic Compound)			
Key literature references and sources for data				
https://echa.europa.eu/information-on-chemicals				
Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, F	RTECS			

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:Physical hazardsOn basis of test dataHealth HazardsCalculation methodEnvironmental hazardsCalculation method

#### **Training Advice**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

Creation Date	11-Aug-2009
Revision Date	11-Oct-2023
Revision Summary	Not applicable.

# This safety data sheet complies with Regulation UK SI 2019/758 and UK SI 2020/1577 as amended.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

## **End of Safety Data Sheet**