

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Supersedes date 24-Apr-2022

Revision date 31-May-2024

Revision Number 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code(s) 13664
Safety data sheet number 13664
Product Name XIAMETER OFX 0531 FLUID
Pure substance/mixture Mixture

Contains STODDARD SOLVENT

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Additive
Formulation or re-packing: Formulation & (re)packing of substances and mixtures.
Industrial use
Professional use
Consumer use
Cleaning agent
Automotive

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com
Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flammable liquids	Category 2 - (H225)
--------------------------	---------------------

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity — repeated exposure	Category 1 - (H372)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains STODDARD SOLVENT



Signal word

Danger

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H372 - Causes damage to organs through prolonged or repeated exposure

H412 - Harmful to aquatic life with long lasting effects

H372 - Causes damage to the following organs through prolonged or repeated exposure: Central nervous system

H225 - Highly flammable liquid and vapour

EUH208 - Contains OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXYLANE. May produce an allergic reaction.

Precautionary statements

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

P260 - Do not breathe vapours/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P273 - Avoid release to the environment

P370 + P378 - In case of fire: Use dry chemical, CO₂, water spray or alcohol-resistant foam to extinguish

Unknown aquatic toxicity

Contains 0 % of components with unknown hazards to the aquatic environment.

Additional information

This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

Harmful to aquatic life.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
---------------	----------	---------------------	------------------------------	---	------------------------------------	----------	----------------------

				amended)			
DIMETHYL SILOXANE, 3-(2-AMINOETHYL) AMINOPROPYL DIMETHOXYSILOX Y-TERMINATED 71750-80-6	>= 46.0 - <= 51.0 %	-	-	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	-	-	-
STODDARD SOLVENT 8052-41-3	>= 34.0 - <= 36.0 %	232-489-3 (649-345-00 -4)	-	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) STOT RE 1 (H372) Asp. Tox. 1 (H304) Aquatic Chronic 3 (H412)	-	-	-
PROPAN-2-OL 67-63-0	>= 14.0 - <= 16.0 %	200-661-7 (603-117-00 -0)	-	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	STOT SE 3 (H336) :: C>=20%	-	-
TRIMETHYLBENZE NE 25551-13-7	>= 1.0 - <= 2.5 %	247-099-9 (649-403-00 -9)	-	Flam. Liq. 3 (H226) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411)	-	-	-
ETHYLTOLUENE 25550-14-5	>= 1.0 - <= 2.5 %	247-093-6 (649-403-00 -9)	-	Not Classified	-	-	-
METHANOL 67-56-1	>= 1.2 - <= 1.6 %	200-659-6 (603-001-00 -X)	-	Flam. Liq. 2 (H225) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370)	STOT SE 1 :: C>=10% STOT SE 2 :: 3%<=C<10%	-	-
NONANE 111-84-2	>= 0.17 - <= 0.54 %	203-913-4	-	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	-	-
OLIGOMERS OF (ETHYLENEDIAMIN EPROPYL)TRIMET HOXYSILANE -	<= 0.2 %	-	-	Acute Tox. 4 (H332) STOT RE 2 (H373) Skin Sens. 1B (H317) Eye Dam. 1 (H318)	-	-	-
OCTAMETHYLCYC LOTETRASILOXAN E 556-67-2	>= 0.024 - <= 0.035 %	209-136-7 (014-018-00 -1)	-	Flam. Liq. 3 (H226) Aquatic Chronic 1 (H410) Repr. 2 (H361f)	-	-	10

Full text of H- and EUH-phrases: see section 16

Additional information

Stoddard solvent: The classification as a carcinogen or mutagen need not to apply because the substance contains less than 0.1% w/w benzene (EINECS No 200-753-7). Note P of Annex VI to Regulation (EC) 1272/2008.

This product does not contain candidate substances of very high concern at a concentration >= 0.1% (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	First aid personnel should wear appropriate protective equipment during any rescue. Use personal protection recommended in Section 8.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. If breathing is irregular or stopped, administer artificial respiration. Get medical attention if symptoms occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.
Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur. Ensure that eyewash stations and safety showers are close to the workstation location.
Ingestion	Rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

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

Symptoms	Causes damage to organs through prolonged or repeated exposure. Central nervous system.
Eyes	Causes serious eye irritation.
Dermal	Causes skin irritation.

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

Note to doctors	In cases where several ounces (60 - 100 ml) have been ingested, consider the use of ethanol and hemodialysis in the treatment. Consult standard literature for details of treatment. If ethanol is used, a therapeutically effective blood concentration in the range of 100 - 150 mg/dl may be achieved by a rapid loading dose followed by a continuous intravenous infusion. Consult standard literature for details of treatment. 4-Methyl pyrazole (Antizol®) is an effective blocker of alcohol dehydrogenase and should be used in the treatment of ethylene glycol (EG), di- or triethylene glycol (DEG, TEG), ethylene glycol butyl ether (EGBE), or methanol intoxication if available. Fomepizole protocol (Brent, J. et al., New England Journal of Medicine, Feb. 8, 2001, 344:6, p. 424-9): loading dose 15 mg/kg intravenously, follow by bolus dose of 10 mg/kg every 12 hours; after 48 hours, increase bolus dose to 15 mg/kg every 12 hours. Continue fomepizole until serum methanol, EG, DEG, TEG or EGBE are undetectable. The signs and symptoms of poisoning include anion gap metabolic acidosis, CNS depression, renal tubular injury, and possible late stage cranial nerve involvement. Maintain adequate ventilation and oxygenation of the patient. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. Hemodialysis may be of benefit if substantial amounts have been ingested and the patient is showing signs of intoxication. Consider hemodialysis for patients with persistent hypotension or coma unresponsive to standard therapy (isopropanol levels >400 - 500 mg/dl). (Goldfrank, Toxicological Emergencies 7th ed., 2002; King, JAMA, 1970, 211:1855). If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Skin contact may aggravate preexisting dermatitis.
------------------------	---

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Alcohol resistant foam. Dry sand.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	When heated and in case of fire, toxic vapours/gases may be formed. Flash back possible over considerable distance. Flammable concentrations of vapour can accumulate at temperatures above flash point; see Section 9. Flammable mixtures may exist within the vapour space of containers at room temperature. Closed containers can burst violently when heated, due to excess pressure build-up. Vapours may form explosive mixtures with air.
Hazardous combustion products	Carbon oxides. Formaldehyde. Methanol.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
---	--

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions	Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Remove all sources of ignition. Eliminate all sources of ignition in vicinity of spill or released vapor to avoid fire or explosion. Ground and bond container and receiving equipment. Vapours may form explosive mixtures with air. Do not allow run-off from fire-fighting to enter drains or water courses. Follow precautions for safe handling described in this safety data sheet.
Other information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
----------------------------------	--

6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Use non-sparking tools. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Suppress (knock down) gases/vapours/mists with a water spray jet. Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.
------------------------------------	--

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Do not swallow. Keep container closed when not in use. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Avoid spilling. Avoid release to the environment. Use non-sparking tools. Handle in accordance with good industrial hygiene and safety practice. Empty containers retain product residue and can be hazardous. Use explosion-proof electrical, ventilating and lighting equipment. Ground and bond container and receiving equipment.

General hygiene considerations

Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers. Keep away from open flames, hot surfaces and sources of ignition. Store away from the following materials. Strong oxidising agents. Organic peroxide. Flammable solid. Pyrophoric liquids. Pyrophoric solids. Self-heating substances and mixtures. Substances and mixtures, which in contact with water, emit flammable gases. Explosives. Gases.

7.3. Specific end use(s)

Specific use(s)

See section 1 for more information.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
PROPAN-2-OL 67-63-0	TWA: 400 ppm TWA: 999 mg/m ³ STEL: 500 ppm STEL: 1250 mg/m ³
TRIMETHYLBENZENE 25551-13-7	TWA: 25 ppm TWA: 125 mg/m ³ STEL: 75 ppm STEL: 375 mg/m ³
METHANOL 67-56-1	TWA: 200 ppm TWA: 266 mg/m ³ STEL: 250 ppm STEL: 333 mg/m ³ Sk*

Biological occupational exposure limits

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) - Workers

Chemical name	Oral	Dermal	Inhalation
STODDARD SOLVENT 8052-41-3		80 mg/kg bw/day [4] [6] 30 mg/kg bw/day [4] [7] 7.56 mg/cm ² [5] [6]	44 mg/m ³ [4] [6] 55 mg/m ³ [4] [7] 44 mg/m ³ [5] [6] 55 mg/m ³ [5] [7]
PROPAN-2-OL 67-63-0		888 mg/kg bw/day [4] [6]	500 mg/m ³ [4] [6]
METHANOL 67-56-1		20 mg/kg bw/day [4] [6] 20 mg/kg bw/day [4] [7]	130 mg/m ³ [4] [6] 130 mg/m ³ [4] [7] 130 mg/m ³ [5] [6] 130 mg/m ³ [5] [7]
NONANE 111-84-2		773 mg/kg bw/day [4] [6]	2035 mg/m ³ [4] [6]
OCTAMETHYLCYCLOTETRASILOXANE 556-67-2			73 mg/m ³ [4] [6] 73 mg/m ³ [5] [6]

[4] Systemic health effects.
 [5] Local health effects.
 [6] Long term.
 [7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
STODDARD SOLVENT 8052-41-3	10.56 mg/kg bw/day [4] [6] 50 mg/kg bw/day [4] [7]	60 mg/kg bw/day [4] [6] 60 mg/kg bw/day [4] [7] 3.78 mg/cm ² [5] [6]	22 mg/m ³ [4] [6] 55 mg/m ³ [4] [7] 22 mg/m ³ [5] [6] 55 mg/m ³ [5] [7]
PROPAN-2-OL 67-63-0	26 mg/kg bw/day [4] [6]	319 mg/kg bw/day [4] [6]	89 mg/m ³ [4] [6]
METHANOL 67-56-1	4 mg/kg bw/day [4] [6] 4 mg/kg bw/day [4] [7]	4 mg/kg bw/day [4] [6] 4 mg/kg bw/day [4] [7]	26 mg/m ³ [4] [6] 26 mg/m ³ [4] [7] 26 mg/m ³ [5] [6] 26 mg/m ³ [5] [7]
NONANE 111-84-2	699 mg/kg bw/day [4] [6]		608 mg/m ³ [4] [6]
OCTAMETHYLCYCLOTETRASILOXANE 556-67-2	3.7 mg/kg bw/day [4] [6]		13 mg/m ³ [4] [6] 13 mg/m ³ [5] [6]

[4] Systemic health effects.
 [5] Local health effects.
 [6] Long term.
 [7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
STODDARD SOLVENT 8052-41-3	0.14 mg/L	0.014 mg/L	0.35 mg/L		10 mg/m ³
PROPAN-2-OL 67-63-0	140.9 mg/L	140.9 mg/L	140.9 mg/L		

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
METHANOL 67-56-1	20.8 mg/L	1540 mg/L	2.08 mg/L		
NONANE 111-84-2	0.0036 mg/l	14 µg/L	0.0036 mg/l		
OCTAMETHYLCYCLOTE TRASILOXANE 556-67-2	0.0015 mg/L		0.00015 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
STODDARD SOLVENT 8052-41-3	1.14 mg/kg sediment dw	0.14 mg/kg sediment dw			
PROPAN-2-OL 67-63-0	552 mg/kg sediment dw	552 mg/kg sediment dw	2251 mg/L	28 mg/kg soil dw	160 mg/kg food
METHANOL 67-56-1	77 mg/kg sediment dw	7.7 mg/kg sediment dw	100 mg/L	100 mg/kg soil dw	
NONANE 111-84-2	0.62 mg/kg sediment dw	0.62 mg/kg sediment dw	54 µg/L	0.25 mg/kg soil dw	0.054 mg/l
OCTAMETHYLCYCLOTE TRASILOXANE 556-67-2	3 mg/kg sediment dw	0.3 mg/kg sediment dw	10 mg/L	0.54 mg/kg soil dw	41 mg/kg food

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.

Hand protection Wear suitable gloves. Gloves must conform to standard EN 374.

Gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
	Chlorinated polyethylene (CPE)	> 0.35 mm	> 240 minutes
	Wear protective Neoprene™ gloves	> 0.35 mm	> 240 minutes
	Wear protective nitrile rubber gloves	> 0.35 mm	> 240 minutes
	Polyethylene (PE)	> 0.35 mm	> 240 minutes
	Ethyl vinyl alcohol laminate ("EVAL")	> 0.35 mm	> 240 minutes
	Polyvinyl alcohol (PVA)	> 0.35 mm	> 240 minutes
	Polyvinyl chloride (PVC)	> 0.35 mm	> 240 minutes
	Wear protective Viton™ gloves	> 0.35 mm	> 240 minutes
	Wear protective butyl rubber gloves	> 0.35 mm	> 240 minutes
	Rubber (natural, latex)	> 0.35 mm	> 240 minutes

Skin and body protection Wear appropriate clothing to prevent reasonably probable skin contact. Antistatic footwear.

Respiratory protection Use appropriate respiratory protection.
Wear self-contained breathing apparatus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Colour	Straw
Odour	Solvent.
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point		Not determined.
Initial boiling point and boiling range	> 55 °C	@ 760 mmHg.
Flammability		No information available.
Flammability Limit in Air		No information available.
Upper flammability or explosive limits	12 % vol	
Lower flammability or explosive limits	2 % vol	
Flash point	13 °C	Setaflash closed cup.
Autoignition temperature	> 230 °C	
Decomposition temperature		No information available.
pH		Not applicable. Substance/mixture is non-polar/aprotic.
pH (as aqueous solution)		No information available.
Kinematic viscosity	160 mm ² /s	@ 25 °C.
Dynamic viscosity		No information available.
Water solubility		Not determined.
Solubility(ies)		No information available.
Partition coefficient		Not determined.
Vapour pressure		No information available.
Relative density	0.865	
Bulk density		No information available
Liquid Density	No information available	No information available
Relative vapour density		No information available.
Particle characteristics		Not applicable.
Particle Size	No information available	
Particle Size Distribution	No information available	
Explosive properties	Not considered to be explosive.	
Oxidising properties	Does not meet the criteria for classification as oxidising	

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No known effects under normal use conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data**Sensitivity to mechanical impact** None.**Sensitivity to static discharge** Yes.**10.3. Possibility of hazardous reactions****Possibility of hazardous reactions** The following materials may react with the product.. Strong oxidising agents. Vapours may form explosive mixtures with air. Highly flammable liquid and vapour.**10.4. Conditions to avoid****Conditions to avoid** Heat, flames and sparks. Avoid static discharge.**10.5. Incompatible materials****Incompatible materials** Strong oxidising agents.**10.6. Hazardous decomposition products****Hazardous decomposition products** Carbon oxides. Formaldehyde. Methanol.**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information****Inhalation** Inhalation of vapours in high concentration may cause irritation of respiratory system.**Eye contact** Causes serious eye irritation.**Skin contact** Causes skin irritation. Redness. Dryness and/or cracking.**Ingestion** May cause discomfort if swallowed.**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms** Causes damage to organs through prolonged or repeated exposure. Central nervous system.**Acute toxicity****Numerical measures of toxicity****The following values are calculated based on chapter 3.1 of the GHS document****Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
STODDARD SOLVENT	> 5000 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	> 5.5 mg/L (Rat) 4 h
PROPAN-2-OL	5045 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 25 mg/L (Rat) 6h
TRIMETHYLBENZENE	= 8970 mg/kg (Rat)	-	> 10.2 mg/l (Rat) 4h
ETHYLTOLUENE	> 5000 mg/kg (Rat)	-	-
METHANOL	300 mg/kg	300 mg/kg	3 mg/L
NONANE	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	17 mg/l (Rat) 4 h

OLIGOMERS OF (ETHYLENEDIAMINEPROPYL) TRIMETHOXYSILANE	= 2295 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	1.49 - 2.44 mg/L (Rat) 4 h
OCTAMETHYLCYCLOTETRAS ILOXANE	> 4800 mg/kg (Rat)	> 2400 mg/kg (Rat)	= 36 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Skin corrosion/irritation**

Causes skin irritation. Redness. Dryness and/or cracking.

DIMETHYL SILOXANE, 3-(2-AMINOETHYL)AMINOPROPYL DIMETHOXYSILOXY-TERMINATED (71750-80-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes skin irritation

STODDARD SOLVENT (8052-41-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes skin irritation Redness Dryness and/or cracking

PROPAN-2-OL (67-63-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Repeated exposure may cause skin dryness or cracking
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			non-irritant

TRIMETHYLBENZENE (25551-13-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes skin irritation Redness Dryness and/or cracking

ETHYLTOLUENE (25550-14-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Prolonged contact may cause redness and irritation

METHANOL (67-56-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal			Mild skin irritant Prolonged contact may cause slight skin irritation with local redness

NONANE (111-84-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes skin irritation Redness

OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXYSILANE (-)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Moderate skin irritation Redness

OCTAMETHYLCYCLOTETRASIOXANE (556-67-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Non-irritating during normal use Brief contact is essentially non-irritating to skin.

Serious eye damage/eye irritation Causes serious eye irritation.

DIMETHYL SILOXANE, 3-(2-AMINOETHYL)AMINOPROPYL DIMETHOXYSILOXY-TERMINATED (71750-80-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes serious eye irritation

STODDARD SOLVENT (8052-41-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					non-irritant

PROPAN-2-OL (67-63-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit				Causes serious eye irritation

TRIMETHYLBENZENE (25551-13-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes serious eye irritation

ETHYLTOLUENE (25550-14-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause temporary eye irritation

METHANOL (67-56-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	eye			Moderate eye irritation

NONANE (111-84-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause temporary eye irritation

OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXYSILANE (-)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes serious eye damage May cause permanent damage if eye is not immediately

					irrigated. Causes eye burns
--	--	--	--	--	-----------------------------

OCTAMETHYLCYCLOTETRASIOXANE (556-67-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					non-irritant

Respiratory or skin sensitisation No information available.

Method	Species	Exposure route	Results
	Guinea pig	Dermal	May cause an allergic skin reaction

STODDARD SOLVENT (8052-41-3)

Method	Species	Exposure route	Results
	Guinea pig	Dermal	Not a skin sensitiser

PROPAN-2-OL (67-63-0)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	Negative
			No signs of respiratory sensitization have been reported.

TRIMETHYLBENZENE (25551-13-7)

Method	Species	Exposure route	Results
	Guinea pig	Dermal	Not a skin sensitiser

METHANOL (67-56-1)

Method	Species	Exposure route	Results
	Guinea pig	Dermal	No sensitisation responses were observed

NONANE (111-84-2)

Method	Species	Exposure route	Results
	Guinea pig	Dermal	Not a skin sensitiser

OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXYSILANE (-)

Method	Species	Exposure route	Results
	Guinea pig	Dermal	May cause an allergic skin reaction

OCTAMETHYLCYCLOTETRASIOXANE (556-67-2)

Method	Species	Exposure route	Results
	Guinea pig	Dermal	Not a skin sensitiser

Germ cell mutagenicity No information available.

Component Information

STODDARD SOLVENT (8052-41-3)

Method	Species	Results
	in vitro	Negative
		Negative Did not show mutagenic effects in animal experiments

PROPAN-2-OL (67-63-0)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation	in vitro Ames Test	Negative

Test		
OECD Test No. 476: In Vitro Mammalian Cell Gene Mutation Tests using the Hprt and xprt genes	in vitro	Negative
OECD Test No. 474: Mammalian Erythrocyte Micronucleus Test	Mouse	Negative

TRIMETHYLBENZENE (25551-13-7)

Method	Species	Results
	in vitro	Negative
		Negative Did not show mutagenic effects in animal experiments

ETHYLTOLUENE (25550-14-5)

Method	Species	Results
	in vitro	Negative

METHANOL (67-56-1)

Method	Species	Results
	in vitro	Negative
		Animal genetic toxicity studies were negative in some cases and positive in other cases

NONANE (111-84-2)

Method	Species	Results
	in vitro	Negative

OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXSILANE (-)

Method	Species	Results
	in vitro	Negative
		Did not show mutagenic effects in animal experiments

OCTAMETHYLCYCLOTETRAILOXANE (556-67-2)

Method	Species	Results
	in vitro	Negative
		Negative Did not show mutagenic effects in animal experiments

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	United Kingdom
STODDARD SOLVENT	Muta. 1B

Carcinogenicity

No information available.

Component Information
PROPAN-2-OL (67-63-0)

Method	Species	Results
		Did not cause cancer in laboratory animals.
OECD Test No. 451: Carcinogenicity Studies	Rat	Negative

METHANOL (67-56-1)

Method	Species	Results
		Did not cause cancer in laboratory

		animals.
--	--	----------

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

Method	Species	Results
		Results from a 2 year repeated vapour inhalation exposure study to rats of octamethylcyclotetrasiloxane (D4) indicate effects (benign uterine adenomas) in the uterus of female animals. This finding occurred at the highest exposure dose (700 ppm) only. Studies to date have not demonstrated if these effects occur through pathways that are relevant to humans. Repeated exposure in rats to D4 resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	United Kingdom
STODDARD SOLVENT	Carc. 1B

Reproductive toxicity No information available.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	United Kingdom
OCTAMETHYLCYCLOTETRASILOXANE	Repr. 2

STODDARD SOLVENT (8052-41-3)

Method	Species	Results
		This product does not contain any known or suspected reproductive hazards

PROPAN-2-OL (67-63-0)

Method	Species	Results
OECD Test No. 415: One-Generation Reproduction Toxicity Study		This product does not contain any known or suspected reproductive hazards
OECD Test No. 414: Pre-natal Development Toxicity Study NOAEL	Rat	= 596 mg/kg/day Negative

METHANOL (67-56-1)

Method	Species	Results
	Rat	Negative
	Mouse	Reproductive toxicant

NONANE (111-84-2)

Method	Species	Results
		This product does not contain any known or suspected reproductive hazards

OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXYSILANE (-)

Method	Species	Results
		This product does not contain any known or suspected reproductive hazards

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

Method	Species	Results
		Suspected of damaging fertility

STOT - single exposure

No information available.

STODDARD SOLVENT (8052-41-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Based on available data, specific target organ toxicity is not expected after single oral, single inhalation, or single dermal exposure.

PROPAN-2-OL (67-63-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause drowsiness or dizziness

ETHYLTOLUENE (25550-14-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Evaluation of available data suggests that this material is not an STOT-SE toxicant

METHANOL (67-56-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause damage to organs Eyes Central nervous system

NONANE (111-84-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
		Inhalation			May cause drowsiness or dizziness Central nervous system

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Evaluation of available data suggests that this material is not an STOT-SE toxicant

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

H372 - Causes damage to the following organs through prolonged or repeated exposure: Central nervous system.

Component Information

STODDARD SOLVENT (8052-41-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes damage to organs through prolonged or repeated exposure Central nervous system
					In humans, effects have been reported on the following organs: bone marrow Liver In animals, effects have been reported on the following organs: Central nervous system Kidney Kidney effects and/or tumors have been observed in male rats. These effects are believed to be species specific and unlikely to occur in humans.

PROPAN-2-OL (67-63-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
NOAEC	Rat	Inhalation Vapour	>= 5000 ppm		

TRIMETHYLBENZENE (25551-13-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause respiratory irritation and central nervous system depression. Symptoms of excessive exposure may be anesthetic or narcotic effects; dizziness and drowsiness may be observed.

METHANOL (67-56-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat	Inhalation	NOAEL 6.55 mg/L	4 weeks	Not classified
	Rat	Inhalation	NOAEL 13.1 mg/L	6 weeks	Not classified
	Rat	Oral	NOAEL 2,500 mg/kg bw/d	90 days	Not classified

NONANE (111-84-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Based on available data, repeated exposures are not anticipated to cause significant adverse effects

OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXYSILANE (-)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause damage to organs through prolonged or repeated exposure

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					In animals, effects have been reported on the following organs: Kidney Liver respiratory tract Female reproductive organs

Aspiration hazard

Based on available data the classification criteria are not met.

Other adverse effects

No information available.

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Unknown aquatic toxicity

Contains 0 % of components with unknown hazards to the aquatic environment.

STODDARD SOLVENT (8052-41-3)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
Acute toxicity	Oncorhynchus mykiss (rainbow trout)	LC50	2.5 mg/L	96 hours	
Acute toxicity	Crustacea Chaetogammarus marinus	LC50	3.5 mg/L	96 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Pseudokirchneriella subcapitata	ErC50	1.2 mg/L	96 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Pseudokirchneriella subcapitata	NOEC	0.16 mg/L	96 hours	
Chronic toxicity	Oncorhynchus mykiss (rainbow trout)	NOEC	< 1.4 mg/L	112 days	

Chronic toxicity	Daphnia magna	NOEC	0.28 mg/L	21 days	
------------------	---------------	------	-----------	---------	--

PROPAN-2-OL (67-63-0)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Daphnia magna	EC50	9714 - 10000 mg/L	24 hours	
	Scenedesmus quadricauda	IC3	1800 mg/L	168 hours	
OECD Test No. 203: Fish, Acute Toxicity Test	Pimephales promelas	LC50	9640 mg/L	96 hours	
DIN 38412 Part 8	Pseudomonas putida	NOEC	>1050 mg/L	16 hours	

TRIMETHYLBENZENE (25551-13-7)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Palaemonetes pugio	LC50	7 mg/L	24 hours	
	Palaemonetes pugio	LC50	5.4 mg/L	96 hours	

ETHYLTOLUENE (25550-14-5)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Notropis atherinoides	LC50	21.3 mg/L	72 hours	

METHANOL (67-56-1)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
Acute toxicity	Lepomis macrochirus	LC50	15400 mg/L	96 hours	
Acute toxicity	Daphnia magna	LC50	> 10000 mg/L	48 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test or Equivalent.	Pseudokirchneriella subcapitata	ErC50	22000 mg/L	96 days	
OECD Test No. 209: Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)	activated sludge	IC50	> 1000 mg/L	3 hours	
Chronic toxicity	Oryzias latipes (Ricefish)	NOEC	15800 mg/L	200 hours	

OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXSILANE (-)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
Directive 67/548/EEC, Annex V, C.1.	Brachydanio rerio	LC50	597 mg/L	96 hours	
	Daphnia sp.	EC50	81 mg/L	48 hours	
	Pseudokirchneriella subcapitata	ErC50	8.8 mg/L	72 hours	
	Pseudokirchneriella subcapitata	NOEC	3.1 mg/L	72 hours	
	Pseudomonas putida	EC50	67 mg/L	16 hours	
Chronic toxicity	Daphnia magna	NOEC	> 1 mg/L	21 days	
	Eisenia fetida	NOEC	>= 1 000 mg/kg	14 days	

OCTAMETHYLCYCLOTETRAILOXANE (556-67-2)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
--------	---------	---------------	----------------	---------------	---------

Acute toxicity	Oncorhynchus mykiss (rainbow trout)	LC50	> 0.022 mg/L	96 hours	
Acute toxicity	Cyprinodon variegatus	LC50	> 0.0063 mg/L	14 days	
Acute toxicity	Mysidopsis bahia	EC50	> 0.0091 mg/L	96 hours	
Acute toxicity	Daphnia magna	EC50	> 0.015 mg/L	48 hours	
Acute toxicity	Pseudokirchneriella subcapitata	ErC50	> 0.022 mg/L	96 hours	
Acute toxicity	Pseudokirchneriella subcapitata	EC10	>= 0.022 mg/L	96 hours	
Chronic aquatic toxicity	Oncorhynchus mykiss (rainbow trout)	NOEC	>= 0.0044 mg/L	93 days	
Chronic aquatic toxicity	Daphnia magna	NOEC	0.0079 mg/L	21 days	

12.2. Persistence and degradability

Persistence and degradability No information available.

STODDARD SOLVENT (8052-41-3)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	28 days	Biodegradation > 63 %	Readily biodegradable

PROPAN-2-OL (67-63-0)

Method	Exposure time	Value	Results
			Readily biodegradable

TRIMETHYLBENZENE (25551-13-7)

Method	Exposure time	Value	Results
Calculation method	4.4 days	Biodegradation 50 %	Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

METHANOL (67-56-1)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	14 days	Biodegradation 92 %	Readily biodegradable

NONANE (111-84-2)

Method	Exposure time	Value	Results
	25 days	Biodegradation 100 %	Readily biodegradable

OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXYSILANE (-)

Method	Exposure time	Value	Results
OECD Test No. 301A: Ready Biodegradability: DOC Die-Away Test (TG 301 A) or Equivalent.	28 days	Biodegradation 39%	Not readily biodegradable

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

Method	Exposure time	Value	Results
OECD 310	28 days	Biodegradation 3.7%	Expected to biodegrade very slowly

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
STODDARD SOLVENT	5.25
PROPAN-2-OL	0.05
ETHYLTOLUENE	3.63
METHANOL	-0.77
NONANE	5.65
OLIGOMERS OF (ETHYLENEDIAMINEPROPYL)TRIMETHOXSILANE	< 3
OCTAMETHYLCYCLOTETRASILOXANE	6.49

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
STODDARD SOLVENT	The substance is not PBT / vPvB
PROPAN-2-OL	The substance is not PBT / vPvB
METHANOL	The substance is not PBT / vPvB
NONANE	The substance is not PBT / vPvB
OCTAMETHYLCYCLOTETRASILOXANE	PBT substance vPvB substance

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

SECTION 14: Transport information**IATA**

14.1 UN number or ID number UN1993
 14.2 UN proper shipping name FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL, METHANOL)
 14.3 Transport hazard class(es) 3
 14.4 Packing group II

14.5 Environmental hazards No
 14.6 Special precautions for user
 Special Provisions A3
 ERG Code 3H

IMDG

14.1 UN number or ID number UN1993
 14.2 UN proper shipping name FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL, METHANOL)
 14.3 Transport hazard class(es) 3
 14.4 Packing group II
 14.5 Environmental hazards No
 14.6 Special precautions for user
 Special Provisions 274
 EmS-No F-E, S-E
 14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number UN1993
 14.2 UN proper shipping name FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL, METHANOL)
 14.3 Transport hazard class(es) 3
 14.4 Packing group II
 14.5 Environmental hazards No
 14.6 Special precautions for user
 Special Provisions 274, 601, 640D
 Classification code F1

ADR

14.1 UN number or ID number UN1993
 14.2 UN proper shipping name FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL, METHANOL)
 14.3 Transport hazard class(es) 3
 14.4 Packing group II
 14.5 Environmental hazards No
 14.6 Special precautions for user
 Special Provisions 274, 601, 640C
 Classification code F1
 Tunnel restriction code (D/E)

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorisations and/or restrictions on use:**

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
STODDARD SOLVENT - 8052-41-3	Use restricted. See item 28. Use restricted. See item 29. Restricted Carcinogen 1B Restricted Mutagen 1B	-
PROPAN-2-OL - 67-63-0	40	-
METHANOL - 67-56-1	69, 75.	-
OCTAMETHYLCYCLOTETRAILOXANE - 556-67-2	Use restricted. See item 70. 75	-

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Dangerous substance category per COMAH Regulations 2015 (as amended)

P5c - FLAMMABLE LIQUIDS

Named dangerous substances per COMAH Regulations 2015 (as amended)**The Ozone-Depleting Substances Regulations 2015**

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Chemical name	The Biocidal Products Regulations 2001 (as amended)
PROPAN-2-OL - 67-63-0	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 4: Food and feed area Product-type 1: Human hygiene

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECI	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet**

Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapour
 H226 - Flammable liquid and vapour
 H301 - Toxic if swallowed
 H304 - May be fatal if swallowed and enters airways
 H311 - Toxic in contact with skin
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H318 - Causes serious eye damage
 H319 - Causes serious eye irritation
 H331 - Toxic if inhaled
 H332 - Harmful if inhaled
 H336 - May cause drowsiness or dizziness
 H370 - Causes damage to organs
 H372 - Causes damage to organs through prolonged or repeated exposure
 H373 - May cause damage to organs through prolonged or repeated exposure
 H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects
 H411 - Toxic to aquatic life with long lasting effects
 H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:
 PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
 vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Revision Note [SDS sections updated 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16](#)

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Prepared By Lisa Bland
Supersedes date 24-Apr-2022
Revision date 31-May-2024

**This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
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**

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