

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

Supersedes date 14-Dec-2022

Revision date 23-Aug-2024

Revision Number 7

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

1.1. Product identifier

Product Code(s) 13648
Safety data sheet number 13648
Product Name DOWSIL RSN 0996 RESIN
Synonyms XIAMETER RSN 0996 RESIN
Pure substance/mixture Mixture
Contains XYLENE; ETHYLBENZENE

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

Recommended use Industrial use
Coatings
Manufacture of computer, electronic and optical products, electrical equipment

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 3 - (H226)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)

Specific target organ toxicity — single exposure	Category 3 - (H335)
Category 3 Respiratory irritation	
Specific target organ toxicity — repeated exposure	Category 2 - (H373)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains XYLENE; ETHYLBENZENE



Signal word

Warning

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H373 - May cause damage to organs through prolonged or repeated exposure

H412 - Harmful to aquatic life with long lasting effects

H373 - May cause damage to the following organs through prolonged or repeated exposure: Hearing organs

H226 - Flammable liquid and vapour

EUH208 - Contains COBALT BIS(ETHYLHEXANOATE). 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 spray

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

P271 - Use only outdoors or in a well-ventilated area

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 tactile warnings if supplied to the general public.

2.3. Other hazards

Product is a static accumulator.

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)	Specific concentration	M-Factor	M-Factor (long-term)
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				2020/1567 as amended)	limit (SCL)		
XYLENE 1330-20-7	>= 31.0 - <= 39.0 %	215-535-7 (601-022-00-9)	-	Aquatic Chronic 3 (H412) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Acute Tox. 4 (H332) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) Acute Tox. 4 (H312) STOT SE 3 (H335)	-	-	-
ETHYLBENZENE 100-41-4	>= 7.0 - <= 11.2 %	202-849-4 (601-023-00-4)	-	Aquatic Chronic 3 (H412) Asp. Tox. 1 (H304) Acute Tox. 4 (H332) STOT RE 2 (H373) Flam. Liq. 2 (H225)	-	-	-
2,6 DI-TERT-BUTYL-P- CRESOL (BHT) 128-37-0	>= 0.41 - <= 0.55 %	204-881-4	-	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400)	-	1	1
ZINC BIS(2-ETHYLHEXA NOATE) 136-53-8	<= 0.29 %	205-251-1 (607-230-00-6)	-	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 1B (H360D) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	-	1	-
TOLUENE 108-88-3	>= 0.09 - <= 0.13 %	203-625-9 (601-021-00-3)	01-8199965928-7-XXX X	Aquatic Chronic 3 (H412) Asp. Tox. 1 (H304) STOT RE 2 (H373) Repr. 2 (H361d) Skin Irrit. 2 (H315) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	-	-
COBALT BIS(ETHYLHEXAN OATE) 136-52-7	0.08%	205-250-6	-	-	-	1	-
OCTAMETHYLCYC LOTETRASIOXAN E 556-67-2	0.02%	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

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. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. 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.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.

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

Symptoms	May cause redness and tearing of the eyes. Burning sensation. The product contains a sensitising substance which may provoke an allergic reaction among sensitive individuals. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.
Inhalation	May cause respiratory irritation.
Eyes	Causes serious eye irritation.
Dermal	Causes skin irritation.

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

Note to doctors	Maintain adequate ventilation and oxygenation of the patient. Treat any burns as thermal burns, after decontamination. Alcohol consumed before or after exposure may increase adverse effects. Skin contact may aggravate preexisting dermatitis.
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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. Exposure to combustion products may be a hazard to health. 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. Silicon oxides. Formaldehyde. Benzene.

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.
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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. Do not allow run-off from fire-fighting to enter drains or water courses. Vapours may form explosive mixtures with air. 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.
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6.3. Methods and material for containment and cleaning up

Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up	Use non-sparking tools. Suppress (knock down) gases/vapours/mists with a water spray jet. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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.
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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 discharge. 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. Ensure all equipment is electrically grounded before beginning transfer operations. This material can accumulate static charge due to its inherent physical properties and can therefore cause an electrical ignition source to vapors. In order to prevent a fire hazard, as bonding and grounding may be insufficient to remove static electricity, it is necessary to provide an inert gas purge before beginning transfer operations. Restrict flow velocity in order to reduce the accumulation of static electricity. 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. Store locked up. Keep away from open flames, hot surfaces and sources of ignition. Store away from incompatible 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
XYLENE 1330-20-7	TWA: 50 ppm TWA: 220 mg/m ³ STEL: 100 ppm STEL: 441 mg/m ³ Sk*
ETHYLBENZENE 100-41-4	TWA: 100 ppm TWA: 441 mg/m ³ STEL: 125 ppm STEL: 552 mg/m ³ Sk*
2,6 DI-TERT-BUTYL-P-CRESOL (BHT) 128-37-0	TWA: 10 mg/m ³
TOLUENE 108-88-3	TWA: 50 ppm TWA: 191 mg/m ³ STEL: 100 ppm STEL: 384 mg/m ³ Sk*

Biological occupational exposure limits

Chemical name	United Kingdom
XYLENE 1330-20-7	650 mmol/mol creatinine - urine (Methyl hippuric acid) - post shift

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
XYLENE 1330-20-7		212 mg/kg bw/day [4] [6]	221 mg/m ³ [4] [6] 442 mg/m ³ [4] [7] 221 mg/m ³ [5] [6] 442 mg/m ³ [5] [7]

Chemical name	Oral	Dermal	Inhalation
ETHYLBENZENE 100-41-4		180 mg/kg bw/day [4] [6]	77 mg/m ³ [4] [6] 293 mg/m ³ [5] [7]
2,6 DI-TERT-BUTYL-P-CRESOL (BHT) 128-37-0		0.5 mg/kg/day [4] [6]	3.5 mg/m ³ [4] [6]
ZINC BIS(2-ETHYLHEXANOATE) 136-53-8		2.46 mg/kg bw/day [4] [6]	17.33 mg/m ³ [4] [6]
TOLUENE 108-88-3		384 mg/kg bw/day [4] [6]	192 mg/m ³ [4] [6] 384 mg/m ³ [4] [7] 192 mg/m ³ [5] [6] 384 mg/m ³ [5] [7]
COBALT BIS(ETHYLHEXANOATE) 136-52-7			0.235 mg/m ³ [5] [6]
OCTAMETHYLCYCLOTETRAILOXANE 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
XYLENE 1330-20-7	12.5 mg/kg bw/day [4] [6]		65.3 mg/m ³ [4] [6] 260 mg/m ³ [4] [7] 65.3 mg/m ³ [5] [6] 260 mg/m ³ [5] [7]
ETHYLBENZENE 100-41-4	1.6 mg/kg bw/day [4] [6]		15 mg/m ³ [4] [6]
2,6 DI-TERT-BUTYL-P-CRESOL (BHT) 128-37-0	0.25 mg/kg/day [4] [6]	0.25 mg/kg/day [4] [6]	0.86 mg/m ³ [4] [6]
ZINC BIS(2-ETHYLHEXANOATE) 136-53-8	1.23 mg/kg bw/day [4] [6]		4.27 mg/m ³ [4] [6]
TOLUENE 108-88-3	8.13 mg/kg bw/day [4] [6]		56.5 mg/m ³ [4] [6] 226 mg/m ³ [4] [7] 56.5 mg/m ³ [5] [6] 226 mg/m ³ [5] [7]
COBALT BIS(ETHYLHEXANOATE) 136-52-7	0.0276 mg/kg/day [4] [6]		0.037 mg/m ³ [5] [6]
OCTAMETHYLCYCLOTETRAILOXANE 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
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Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
XYLENE 1330-20-7	0.327 mg/L	0.327 mg/L	0.327 mg/L		
ETHYLBENZENE 100-41-4	0.1 mg/l	0.1 mg/l	0.01 mg/l		
2,6 DI-TERT-BUTYL-P-CRES OL (BHT) 128-37-0	0,000199 mg/l	0,00199 mg/l	0,00002 mg/l		
ZINC BIS(2-ETHYLHEXANOAT E) 136-53-8	20.6 µg/l		6.1 µg/l		
TOLUENE 108-88-3	0.68 mg/L	0.68 mg/L	0.68 mg/L		
COBALT BIS(ETHYLHEXANOATE) 136-52-7	0.0006 mg/l		0.00236 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
XYLENE 1330-20-7	12.46 mg/kg sediment dw	12.46 mg/kg sediment dw	6.58 mg/L	2.31 mg/kg soil dw	
ETHYLBENZENE 100-41-4	13.7 mg/kg dry weight (d.w.)	1.37 mg/kg dry weight (d.w.)	9.6 mg/l	2.68 mg/kg dry weight (d.w.)	20 mg/kg food
2,6 DI-TERT-BUTYL-P-CRES OL (BHT) 128-37-0	0,0996 mg/kg	0,00996 mg/kg	0.17 mg/L	0,04769 mg/kg	8,33 mg/kg
ZINC BIS(2-ETHYLHEXANOAT E) 136-53-8	117.8 mg/kg dry weight (d.w.)	56.5 mg/kg dry weight (d.w.)	52 µg/l	35.6 mg/kg dry weight (d.w.)	
TOLUENE 108-88-3	16.39 mg/kg sediment dw	16.39 mg/kg sediment dw	13.61 mg/L		
COBALT BIS(ETHYLHEXANOATE) 136-52-7	9.5 mg/kg	9.5 mg/kg		10.9 mg/kg	0.37 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
	Polyethylene (PE)	> 0.35 mm	> 120 minutes
	Ethyl vinyl alcohol laminate ("EVAL")	> 0.35 mm	> 120 minutes
	Polyvinyl alcohol (PVA)	> 0.35 mm	> 120 minutes
	Polyvinyl chloride (PVC)	> 0.35 mm	> 120 minutes
	Styrene/butadiene rubber	> 0.35 mm	> 120 minutes
	Wear protective Viton™ gloves	> 0.35 mm	> 120 minutes
	Wear protective butyl rubber gloves	> 0.35 mm	> 120 minutes
	Chlorinated polyethylene (CPE)	> 0.35 mm	> 120 minutes
	Wear protective Neoprene™ gloves	> 0.35 mm	> 120 minutes
	Wear protective nitrile rubber gloves	> 0.35 mm	> 120 minutes

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

Respiratory protection Use appropriate respiratory protection.
Organic gases and vapours filter conforming to EN 14387. Type A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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

Property	Values	Remarks • Method
Melting point / freezing point		Not determined.
Initial boiling point and boiling range	> 100 °C	@ 760 mmHg.
Flammability		No information available.
Flammability Limit in Air		No information available.
Upper flammability or explosive limits		
Lower flammability or explosive limits		
Flash point	27.2 °C	Pensky-Martens closed cup.
Autoignition temperature		No information available.
Decomposition temperature		No information available.
pH		Not applicable. Substance/mixture is non-polar/aprotic.
pH (as aqueous solution)		No information available.
Kinematic viscosity	125 cSt	@ 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	1.01	
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. When heated, vapours/gases hazardous to health may be formed. Temperatures above 150 °C / 300 °F. Formaldehyde. Vapours may form explosive mixtures with air. 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. Silicon oxides. Formaldehyde. Benzene.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

Inhalation May cause respiratory irritation.

Eye contact Causes serious eye irritation.

Skin contact The product contains a sensitising substance which may provoke an allergic reaction among sensitive individuals. May cause an allergic skin reaction. Causes skin irritation.

Ingestion

May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms**

May cause damage to organs through prolonged or repeated exposure.

Acute toxicity**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50

Oral LD50 > 5000 mg/kg

Dermal LD50

Dermal LD50 > 2000 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
XYLENE	= 4300 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	27.5 mg/L (Rat) 4 h
ETHYLBENZENE	= 3500 mg/kg (Rat)	= 15500 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h
2,6 DI-TERT-BUTYL-P-CRESOL (BHT)	> 6000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
ZINC BIS(2-ETHYLHEXANOATE)	= 3550 mg/kg (Rat) = 3700 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 23.2 mg/L (Rat) 1 h
TOLUENE	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 20 mg/L (Rat) 4 h
COBALT BIS(ETHYLHEXANOATE)	= 3129 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
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.

XYLENE (1330-20-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes skin irritation Symptoms may include pain, severe local redness, swelling, and tissue damage. Dryness and/or cracking

ETHYLBENZENE (100-41-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause slight irritation Redness Prolonged contact may cause severe skin burns. Symptoms may include pain, severe local redness,

					swelling, and tissue damage. Dryness and/or cracking
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2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal		4 hours	non-irritant

ZINC BIS(2-ETHYLHEXANOATE) (136-53-8)

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

TOLUENE (108-88-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	435 mg		Irritant
	Rabbit	Dermal	20 mg	24 hours	Irritant
	Rabbit	Dermal	500 mg		Irritant
	Pig.	Dermal	250 uL	24 hours	Irritant

COBALT BIS(ETHYLHEXANOATE) (136-52-7)

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

OCTAMETHYLCYCLOTETRAILOXANE (556-67-2)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Non-irritating during normal use

Serious eye damage/eye irritation Causes serious eye irritation.

XYLENE (1330-20-7)

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

ETHYLBENZENE (100-41-4)

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

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

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

ZINC BIS(2-ETHYLHEXANOATE) (136-53-8)

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

TOLUENE (108-88-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	eye	100 mg	0.5 minutes	Moderate eye irritation
	Rabbit	eye	870 ug		Mild eye irritation

COBALT BIS(ETHYLHEXANOATE) (136-52-7)

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

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

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

Respiratory or skin sensitisation No information available.

ETHYLBENZENE (100-41-4)

Method	Species	Exposure route	Results
	Human evidence	Dermal	Not a skin sensitiser

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Exposure route	Results
		Dermal	Skin contact may cause an allergic skin reaction in a small proportion of individuals

ZINC BIS(2-ETHYLHEXANOATE) (136-53-8)

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

TOLUENE (108-88-3)

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

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

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

Germ cell mutagenicity No information available.

Component Information

XYLENE (1330-20-7)

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

ETHYLBENZENE (100-41-4)

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

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

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

ZINC BIS(2-ETHYLHEXANOATE) (136-53-8)

Method	Species	Results
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	in vitro	Negative
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COBALT BIS(ETHYLHEXANOATE) (136-52-7)

Method	Species	Results
	in vitro	In vitro genetic toxicity studies were negative in some cases and positive in other cases.
	Animal Data.	Positive

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

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

Carcinogenicity No information available.

Component Information

XYLENE (1330-20-7)

Method	Species	Results
		Did not cause cancer in laboratory animals.

ETHYLBENZENE (100-41-4)

Method	Species	Results
	human data	Not Carcinogenic
	Animal Data.	May cause cancer

COBALT BIS(ETHYLHEXANOATE) (136-52-7)

Method	Species	Results
		May cause cancer

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.

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
TOLUENE	Repr. 2
OCTAMETHYLCYCLOTETRASILOXANE	Repr. 2

XYLENE (1330-20-7)

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

ETHYLBENZENE (100-41-4)

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

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Results
	Rat	NOAEL P 500 mg/kg

ZINC BIS(2-ETHYLHEXANOATE) (136-53-8)

Method	Species	Results
		May damage the unborn child

TOLUENE (108-88-3)

Method	Species	Results
	Rat	Suspected of damaging the unborn child.

COBALT BIS(ETHYLHEXANOATE) (136-52-7)

Method	Species	Results
		May damage fertility or the unborn child

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

Method	Species	Results
		Suspected of damaging fertility

STOT - single exposure

May cause respiratory irritation.

XYLENE (1330-20-7)

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

ETHYLBENZENE (100-41-4)

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

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Evaluation of

					available data suggests that this material is not an STOT-SE toxicant
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ZINC BIS(2-ETHYLHEXANOATE) (136-53-8)

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

TOLUENE (108-88-3)

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

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

May cause damage to organs through prolonged or repeated exposure.

H373 - May cause damage to the following organs through prolonged or repeated exposure: Hearing organs.

Component Information

XYLENE (1330-20-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause damage to organs through prolonged or repeated exposure In animals, effects have been reported on the following organs: Liver Kidney Blood

ETHYLBENZENE (100-41-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause damage to organs through prolonged or repeated exposure
					In animals, effects have been reported on the following organs: May cause hearing loss based on animal data. Kidney Liver Lungs

ZINC BIS(2-ETHYLHEXANOATE) (136-53-8)

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

TOLUENE (108-88-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	human data	Inhalation			Causes damage to organs through prolonged or repeated exposure

COBALT BIS(ETHYLHEXANOATE) (136-52-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes damage to organs through prolonged or repeated exposure Thyroid Blood Respiratory system
					In humans, symptoms may include: Blood Heart Lungs Thyroid In animals, effects have been reported on the following organs: Testes

OCTAMETHYLCYCLOTETRAILOXANE (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.

XYLENE (1330-20-7)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 203: Fish,	Oncorhynchus	LC50	2.6 mg/L	96 hours	

Acute Toxicity Test or Equivalent.	mykiss (rainbow trout)				
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test or Equivalent.	Daphnia magna	IC50	1 - 4.7 mg/L	24 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test OECD Test No. 203: Fish, Acute Toxicity Test or Equivalent.	Pseudokirchneriella subcapitata	ErC50	4.36 mg/L	73 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test or Equivalent.	Pseudokirchneriella subcapitata	NOEC	0.44 mg/L	73 hours	
Chronic toxicity	Oncorhynchus mykiss (rainbow trout)	NOEC	> 1.3 mg/L	56 days	

ETHYLBENZENE (100-41-4)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 203: Fish, Acute Toxicity Test or Equivalent.	Oncorhynchus mykiss (rainbow trout)	LC50	4.2 mg/L	96 hours	
Acute toxicity	Daphnia magna	EC50	1.8 - 2.4 mg/L	48 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test or Equivalent.	Pseudokirchneriella subcapitata	EC50	3.6 - 4.6 mg/L	72 hours	
Bacteria toxicity		EC50	> 12 mg/L	16 hours	
Chronic toxicity	Ceriodaphnia dubia	NOEC	0.96 mg/L	7 days	
	Eisenia fetida	LC50	0.047 mg/cm2	2 days	

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Brachydanio rerio	LC50	> 0.57 mg/L	96 hours	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test or Equivalent.	Daphnia magna	EC50	0.48 mg/L	48 hours	
OECD Test No. 211: Daphnia magna Reproduction Test	Daphnia magna	EC50	0.069 mg/L	21 days	
Directive 67/548/EEC, Annex V, C.3.	Desmodesmus subspicatus	EC10	0.4 mg/L	72 hours	
Directive 67/548/EEC, Annex V, C.3.	Desmodesmus subspicatus	EC50	> 0.4 mg/L	72 hours	
Bacteria toxicity		EC50	> 10000 mg/L	3 hours	
Chronic toxicity	Daphnia magna	NOEC	0.07 mg/L	21 days	

ZINC BIS(2-ETHYLHEXANOATE) (136-53-8)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
Acute toxicity	Cyprinus carpio	LC50	100 mg/L	96 hours	
Acute toxicity	Daphnia magna	EC50	5.0 mg/L	48 hours	
Acute toxicity	Selenastrum	EC50	> 0.1 - 1 mg/L	96 hours	

	capricornutum				
Acute toxicity	Pseudokirchneriella subcapitata	NOEC	> 0.01 - 0.1 mg/L	72 hours	
Chronic toxicity	Oncorhynchus mykiss (rainbow trout)	NOEC	> 0.1 - 1 mg/L	25 days	
Chronic toxicity	Daphnia magna	NOEC	> 0.1 - 1 mg/L	21 days	

TOLUENE (108-88-3)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
Acute toxicity	Algae Skeletonema costatum	EC50	> 433 ppm	96 hours	
Acute toxicity	Crustacea Gammarus pseudolimnaeus	EC50	11600 µg/l	48 hours	
Acute toxicity	Algae Chlorella vulgaris	EC50	134 mg/L	3 hours	
Acute toxicity	Daphnia magna	EC50	3.78 mg/L	48 hours	
Acute toxicity	Toxicity to microorganisms	EC50	84 mg/L	24 hours	
Acute toxicity	Fish Oncorhynchus kisutch	LC50	5500 ug/l	96 days	
Acute toxicity	Algae Skeletonema costatum	NOEC	10 mg/L	72 hours	
Chronic toxicity	Daphnia magna	NOEC	1 mg/L	21 days	
Chronic toxicity	Fish Oncorhynchus kisutch	LOEL	2.77 mg/L	40 days	
Chronic toxicity	Ceriodaphnia dubia	NOEC	0.74 mg/L	7 days	
Chronic toxicity	Fish Oncorhynchus kisutch	NOEC	1.39 mg/L	40 days	

COBALT BIS(ETHYLHEXANOATE) (136-52-7)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
Acute toxicity	Oncorhynchus tshawytscha	LC50	2.062 mg/L	14 days	
Acute toxicity	Ceriodaphnia dubia	EC50	3.563 mg/L	48 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Pseudokirchneriella subcapitata	EC50	0.6542 mg/L	72 hours	
OECD Test No. 209: Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)		EC50	120 mg/L	30 minutes	
Chronic toxicity	Brachydanio rerio	NOEC	2.003 mg/L	16 days	
Chronic toxicity	Daphnia magna	EC10	0.026 mg/L	28 days	

OCTAMETHYLCYCLOTETRAILOXANE (556-67-2)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Oncorhynchus mykiss (rainbow trout)	LC50	> 0.022 mg/L	96 hours	
	Cyprinodon variegatus	LC50	> 0.0063 mg/L	14 days	
	Mysidopsis bahia	EC50	> 0.0091 mg/L	96 hours	
	Daphnia magna	EC50	> 0.015 mg/L	48 hours	
	Pseudokirchneriella	ErC50	> 0.022 mg/L	96 hours	

	subcapitata				
	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.

XYLENE (1330-20-7)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) or Equivalent.	10 days	Biodegradation > 60%	Readily biodegradable

ETHYLBENZENE (100-41-4)

Method	Exposure time	Value	Results
OECD Test No. 301E: Ready Biodegradability: Modified OECD Screening Test (TG 301 E) or Equivalent.	6 days	100 % Biodegradation	Readily biodegradable

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C) or Equivalent.	28 days	4.5% Biodegradation	Expected to biodegrade very slowly

ZINC BIS(2-ETHYLHEXANOATE) (136-53-8)

Method	Exposure time	Value	Results
OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D) or Equivalent.	28 hours	Biodegradation 100 %	Readily biodegradable

TOLUENE (108-88-3)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C) or Equivalent.	20 days	100% Biodegradation	Readily biodegradable

COBALT BIS(ETHYLHEXANOATE) (136-52-7)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	10 days	Biodegradation 60 %	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

Component Information

Chemical name	Partition coefficient
XYLENE	3.12
ETHYLBENZENE	3.15
2,6 DI-TERT-BUTYL-P-CRESOL (BHT)	4.17 - 5.10
ZINC BIS(2-ETHYLHEXANOATE)	> 5.7
TOLUENE	2.73
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
XYLENE	The substance is not PBT / vPvB
ETHYLBENZENE	The substance is not PBT / vPvB
2,6 DI-TERT-BUTYL-P-CRESOL (BHT)	The substance is not PBT / vPvB
ZINC BIS(2-ETHYLHEXANOATE)	The substance is not PBT / vPvB
TOLUENE	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. (XYLENE, ETHYLBENZENE)
14.3 Transport hazard class(es) 3
14.4 Packing group III
14.5 Environmental hazards No
14.6 Special precautions for user
Special Provisions A3
ERG Code 3L

IMDG

14.1 UN number or ID number UN1993
UN proper shipping name FLAMMABLE LIQUID, N.O.S. (XYLENE, ETHYLBENZENE)
14.3 Transport hazard class(es) 3

14.4 Packing group	III
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	223, 274, 955
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. (XYLENE, ETHYLBENZENE)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	274, 601
Classification code	F1

ADR

14.1 UN number or ID number	UN1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (XYLENE, ETHYLBENZENE)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	274, 601
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).

Product restricted per REACH Annex XVII: 3. 75

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
ZINC BIS(2-ETHYLHEXANOATE) - 136-53-8	Use restricted. See item 30.	-
TOLUENE - 108-88-3	Use restricted. See item 48.	-
COBALT BIS(ETHYLHEXANOATE) - 136-52-7	Use restricted. See item 30.	-
OCTAMETHYLCYCLOTETRASIOXANE - 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)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Not applicable

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 Chemical Safety Assessment has been carried out for this substance/mixture

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
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H360D - May damage the unborn child
H361d - Suspected of damaging the unborn child
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

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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