SAFETY DATA SHEET

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

Supercedes date 19-Dec-2022*** **Revision date** 22-Sep-2023 **Revision Number** 9

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

1.1. Product identifier

Product Code(s) 14060***

Safety data sheet number 14060***

Product Name DOWSIL EL-8040 ID SILICONE ORGANIC BLEND

Synonyms DOW CORNING EL-8040 ID SILICONE ORGANIC BLEND***

Pure substance/mixture Mixture***

Contains HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

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

Recommended use Chemical intermediate Formulation of preparations (mixtures) Cosmetics Personal care Perfumes, fragrances Consumer use Professional use***

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)***
Chronic aquatic toxicity	Category 4*** - (H413)***

2.2. Label elements

Contains HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Signal word
Warning***

Hazard statements
H413 - May cause long lasting harmful effects to aquatic life***
H226 - Flammable liquid and vapour***

Precautionary statements
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P273 - Avoid release to the environment
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish
P403 + P235 - Store in a well-ventilated place. Keep cool
P501 - Dispose of contents/ container to an approved waste disposal plant***

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

2.3. Other hazards

No information available.

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 amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED*** 93685-81-5	>= 70.0 - <= 90.0 %	297-629-8***	-	Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Aquatic Chronic 4 (H413)***	-	-	-
DECAMETHYLCYCLOPENTASILOXAN	>= 0.31 - <= 0.62	208-764-9***	-	-	-	-	-

E*** 541-02-6	%						
OCTAMETHYLCYCLOTETRASILOXANE*** 556-67-2	>= 0.47 - <= 0.93 % 	209-136-7 (014-018-00-1)***	-	Flam. Liq. 3 (H226) Aquatic Chronic 1 (H410) Repr. 2 (H361f)***	-	-	10***
DODECAMETHYLCYCLOHEXASILOXANE*** 540-97-6	>= 0.1 - <= 0.21 % 	208-762-8***	-	-	-	-	-

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

***

Chemical name	CAS No	SVHC candidates
DECAMETHYLCYCLOPENTASILOXANE***	541-02-6	X***
OCTAMETHYLCYCLOTETRASILOXANE***	556-67-2	X***
DODECAMETHYLCYCLOHEXASILOXANE***	540-97-6	X***

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice 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. 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. Get medical attention if symptoms occur.***

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

Eyes Not expected to cause eye irritation.***

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

Note to doctors Treat symptomatically. Skin contact may aggravate preexisting dermatitis.***

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.***

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. Closed containers can burst violently when heated, due to excess pressure build-up. Vapours may form explosive mixtures with air. Flammable liquid and vapour.***
Hazardous combustion products	Carbon oxides. Silicon oxides. Formaldehyde.***

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. 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.***
Other information	Ventilate the area.***
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 discharge. 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 Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. 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. Store locked up. Closed containers can burst violently when heated, due to excess pressure build-up. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with:. Strong oxidising agents. Organic peroxide. Flammable solid. Pyrophoric liquids. Pyrophoric solids. 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 This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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
DECAMETHYLCYCLOPENTASILOXANE*** 541-02-6			97.3 mg/m³ [4] [6] 24.2 mg/m³ [5] [6]***
OCTAMETHYLCYCLOTETRASILOXANE*** 556-67-2			73 mg/m³ [4] [6] 73 mg/m³ [5] [6]***
DODECAMETHYLCYCLOHEXASILOXANE*** 540-97-6			11 mg/m³ [4] [6] 1.22 mg/m³ [5] [6] 6.1 mg/m³ [5] [7]***

[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
DECAMETHYLCYCLOPENTASILOXANE*** 541-02-6	5 mg/kg bw/day [4] [6]***		17.3 mg/m³ [4] [6] 4.3 mg/m³ [5] [6]***
OCTAMETHYLCYCLOTETRASILOXANE*** 556-67-2	3.7 mg/kg bw/day [4] [6]***		13 mg/m³ [4] [6] 13 mg/m³ [5] [6]***
DODECAMETHYLCYCLOHEXASILOXANE*** 540-97-6	1.7 mg/kg bw/day [4] [6] 1.7 mg/kg bw/day [4] [7]***		2.7 mg/m³ [4] [6] 0.3 mg/m³ [5] [6] 1.5 mg/m³ [5] [7]***

[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
DECAMETHYLCYCLOPENTASILOXANE*** 541-02-6	>0.0012 mg/l***		>0.00012 mg/l***		
OCTAMETHYLCYCLOTETRASILOXANE*** 556-67-2	0.0015 mg/l***		0.00015 mg/l***		
DODECAMETHYLCYCLOHEXASILOXANE*** 540-97-6	13.5 mg/kg***		1.35 mg/kg***		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
DECAMETHYLCYCLOPENTASILOXANE*** 541-02-6	11 mg/kg sediment dw***	1.1 mg/kg sediment dw***	10 mg/L***	2.54 mg/kg soil dw***	16 mg/kg food***
OCTAMETHYLCYCLOTETRASILOXANE*** 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***
DODECAMETHYLCYCLOHEXASILOXANE*** 540-97-6	13 mg/kg sediment dw***	1.3 mg/kg sediment dw***	1 mg/L***	3.77 mg/kg soil dw***	66.7 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***	> 120 minutes***
	Wear protective Neoprene™ gloves***	> 0.35 mm***	> 120 minutes***
	Wear protective nitrile rubber gloves***	> 0.35 mm***	> 120 minutes***
	Polyethylene (PE)***	> 0.35 mm***	> 120 minutes***
	Polyvinyl chloride (PVC)***	> 0.35 mm***	> 120 minutes***
	Wear protective Viton™ gloves***	> 0.35 mm***	> 120 minutes***
	Polyvinyl alcohol (PVA)***	> 0.35 mm***	> 120 minutes***
	Wear protective butyl rubber gloves***	> 0.35 mm***	> 120 minutes***

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

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

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.***

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid***
Appearance	Viscous liquid***
Colour	light yellow***
Odour	Slight.***
Odour threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point		No information available
Initial boiling point and boiling range	>*** 35*** °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	42*** °C***	Setaflash closed cup***
Autoignition temperature		No information available
Decomposition temperature		No information available
pH		Not applicable Insoluble in water***
pH (as aqueous solution)		No information available
Kinematic viscosity		No information available
Dynamic viscosity	400000*** mPa s***	***

Water solubility	Insoluble in water***	***
Solubility(ies)		No information available
Partition coefficient		Not determined***
Vapour pressure		No information available
Relative density	0.78***	***
Bulk density		
		Relative vapour density
No information available		**Particle characteristics**
Not applicable***		**Particle Size**
		Particle Size Distribution

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. Flammable liquid and vapour.***

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.***

10.5. Incompatible materials

Incompatible materials Strong oxidising agents.***

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Silicon oxides. Formaldehyde.***

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 Not expected to cause eye irritation.***

Skin contact May cause slight irritation. Redness. Dryness and/or cracking.***

Ingestion Gastrointestinal discomfort.***

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity
***
The following values are calculated based on chapter 3.1 of the GHS document ***
ATEmix (oral) > 5000*** mg/kg***
ATEmix (dermal) > 2000*** mg/kg***

Component Information ***

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED***	> 2000 mg/kg (Rat) ***	> 5000 mg/kg (Rabbit)***	> 16.7 mg/L (Rat) 4 h***
DECAMETHYLCYCLOPENTASILOXANE***	> 24134 mg/kg (Rat) ***	> 2000 mg/kg (Rabbit)***	= 8.67 mg/L (Rat) 4 h***
OCTAMETHYLCYCLOTETRASILOXANE***	> 4800 mg/kg (Rat) ***	> 2400 mg/kg (Rabbit)***	= 36 mg/L (Rat) 4 h***
DODECAMETHYLCYCLOHEXASILOXANE***	> 2000 mg/kg (Rat) ***	> 2000 mg/kg (Rat)***	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause slight irritation. Redness. Dryness and/or cracking.***

Serious eye damage/eye irritation Not expected to cause eye irritation.***

Respiratory or skin sensitisation Based on available data the classification criteria are not met.***

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

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

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

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***

STOT - single exposure No information available.

STOT - repeated exposure No information available.

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 May cause long lasting harmful effects to aquatic life.***

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

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 203: Fish, Acute Toxicity Test***	Oncorhynchus mykiss (rainbow trout)***	LL50***	> 1000 mg/L***	96 hours***	
OECD Test No. 203: Fish, Acute Toxicity Test***	Brachydanio rerio***	LC0***	> 2.8 mg/L***	96 hours***	
OECD Test No. 203: Fish, Acute Toxicity Test***	Oncorhynchus mykiss (rainbow trout)***	LC0***	> 1.2 mg/L***	96 hours***	
OECD Test No. 203: Fish, Acute Toxicity Test***	Pimephales promelas***	LC0***	> 1.7 mg/L***	96 hours***	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test***	Daphnia magna***	EC50***	> 1.3 mg/L***	48 hours***	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test***	Mysidopsis bahia***	LL50***	> 81000 mg/L***	96 hours***	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test***	Daphnia magna***	LL50***	> 1000 mg/L***	48 hours***	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test***	Mysidopsis bahia***	LL50***	> 84667 mg/L***	96 hours***	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test***	Algae***	ErC50***	> 1000 mg/L***	72 hours***	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test***	Algae***	NOEC***	0.0225 mg/L***	72 hours***	
	Pseudomonas putida***		> 2 mg/L***	5 hours***	
Chronic aquatic toxicity***	Daphnia magna***	NOEC***	1 mg/L***	21 days***	
Chronic aquatic toxicity***	Daphnia magna***	EC50***	> 1 mg/L***	21 days***	

Chronic aquatic toxicity***	Daphnia magna***	NOEC***	0.025 mg/L***	21 days***	

DECAMETHYLCYCLOPENTASILOXANE (541-02-6)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 204: Fish, Prolonged Toxicity Test: 14-Day Study***	Oncorhynchus mykiss (rainbow trout)***	LC50***	> 16 µg/l***	96 hours***	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test***	Daphnia magna***	EC50***	> 2.9 mg/L***	48 hours***	
	Pseudokirchneriella subcapitata***	ErC50***	> 0.012 mg/L***	96 hours***	
	Pseudokirchneriella subcapitata***	NOEC***	0.012 mg/L***	96 hours***	
Chronic aquatic toxicity***	Oncorhynchus mykiss (rainbow trout)***	LC50***	> 16 mg/L***	14 days***	
Chronic aquatic toxicity***	Oncorhynchus mykiss (rainbow trout)***	NOEC***	>= 0.017 mg/L***	45 days***	
Chronic aquatic toxicity***	Oncorhynchus mykiss (rainbow trout)***	NOEC***	>= 0.014 mg/L***	90 days***	
Chronic aquatic toxicity***	Daphnia magna***	NOEC***	0.015 mg/L***	21 days***	
	Eisenia fetida***	NOEC***	>= 76 mg/kg***		

OCTAMETHYLCYCLOTETRASILOXANE (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 subcapitata***	ErC50***	> 0.022 mg/L***	96 hours***	
	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***	
					Based on testing of comparable products: The estimated maximum aqueous concentration of Octamethyl Cyclotetrasiloxane (D4) from migration to water from the product as supplied is below the D4 established no-effect threshold (< 0.0079 mg/L) for aquatic

					organisms.***

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Pseudokirchneriella subcapitata***	ErC50***	> 0.002 mg/L***	72 hours***	
Chronic aquatic toxicity***	Daphnia magna***	NOEC***	0.0046 mg/L***	21 days***	

12.2. Persistence and degradability

Persistence and degradability No information available.***

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)***	28 days***	Biodegradation 31%***	Not readily biodegradable***

DECAMETHYLCYCLOPENTASILOXANE (541-02-6)

Method	Exposure time	Value	Results
OECD 310***	28 days***	Biodegradation 0.14%***	Expected to biodegrade very slowly***

OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

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

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)***	28 days***	Biodegradation 4.5%***	Not readily biodegradable***

12.3. Bioaccumulative potential

Bioaccumulation No information available.***

Component Information ***

Chemical name	Partition coefficient
HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED***	6.96***
DECAMETHYLCYCLOPENTASILOXANE***	8.023***
OCTAMETHYLCYCLOTETRASILOXANE***	6.49***
DODECAMETHYLCYCLOHEXASILOXANE***	8.87***

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 contains substance(s) classified as PBT or vPvB.***

Chemical name	PBT and vPvB assessment
HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED***	The substance is not PBT / vPvB***

DECAMETHYLCYCLOPENTASILOXANE***	PBT substance vPvB substance***
OCTAMETHYLCYCLOTETRASILOXANE***	PBT substance vPvB substance***
DODECAMETHYLCYCLOHEXASILOXANE***	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 UN3295***
14.2 UN proper shipping name HYDROCARBONS, LIQUID, N.O.S.***
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 A324, A3***
ERG Code 3L***

IMDG

14.1 UN number or ID number UN3295***
UN proper shipping name HYDROCARBONS, LIQUID, N.O.S.***
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***
EmS-No F-E, S-D***
14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number UN3295***
14.2 UN proper shipping name HYDROCARBONS, LIQUID, N.O.S.***
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 None
Classification code F1***

ADR

14.1 UN number or ID number UN3295***
14.2 UN proper shipping name HYDROCARBONS, LIQUID, N.O.S.***
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 None
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
DECAMETHYLCYCLOPENTASILOXANE*** - 541-02-6	Use restricted. See item 70.***	-
OCTAMETHYLCYCLOTETRASILOXANE*** - 556-67-2	Use restricted. See item 70.***	-

Persistent Organic Pollutants
Not applicable

Export Notification requirements
Not applicable

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/NDSL	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
KECL	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/NDSL - 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
H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H361f - Suspected of damaging fertility
H410 - Very toxic to aquatic life with long lasting effects
H413 - May cause long lasting harmful effects to aquatic life***

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 ***Indicates updated data since last publication

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)
EPA (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)
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***
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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