

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

Revision date 24-Apr-2026

Revision Number 1

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

1.1. Product identifier

Product Code(s) 128408
Safety data sheet number 128408
Product Name 3M FAST CUT PLUS EXTREME

Pure substance/mixture Mixture

Contains HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

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

Recommended use 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

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

2.2. Label elements

Contains HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

**Signal word**

Warning

Hazard statements

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

H412 - Harmful to aquatic life with long lasting effects

EUH208 - Contains 1,2-BENZISOTHIAZOLIN-3(2H)-ONE. May produce an allergic reaction.

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements

P260 - Do not breathe dust/fume/gas/mist/vapours/spray

P273 - Avoid release to the environment

P314 - Get medical advice/attention if you feel unwell

P501 - Dispose of contents/ container to an approved waste disposal plant

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)
WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST 8042-47-5	7 - 13%	232-455-8	-	Asp. Tox. 1 (H304)	-	-	-
HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS -	7 - 13%	926-141-6	-	Asp. Tox. 1 (H304) (EUH066)	-	-	-
ALUMINIUM OXIDE 1344-28-1	7 - 13%	215-691-6	-	Not classified	-	-	-
HYDROCARBONS, C9-C12,	5 - 8%	919-446-0	-	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304)	-	-	-

N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) -				STOT SE 3 (H336) STOT RE 1 (H372) Aquatic Chronic 2 (H411) (EUH066)			
SORBITAN MONOOLEATE, ETHOXYLATED 9005-65-6	1 - 5%	-	-	Not classified	-	-	-
HYDROCARBONS C14 - C19 ISOALKANES, CYCLICS <2% AROMATICS -	1 - 5%	920-114-2	-	Asp. Tox. 1 (H304)	-	-	-
OLEOCETYL ALCOHOL 80-85 68002-94-8	1 - 3%	268-106-1	-	Not Classified	-	-	-
HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE -	1 - 3%	918-811-1	-	Asp. Tox. 1 (H304) STOT SE 3 (H336) Aquatic Chronic 2 (H411) (EUH066)	-	-	-
1,2-BENZISOTHAZ OLIN-3(2H)-ONE 2634-33-5	< 0.05%	220-120-9 (613-088-00 -6)	-	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Dam. 1 (H318) Aquatic Acute 1 (H400)	Skin Sens. 1 :: C>=0.05%	1	-

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.
Skin contact	IF ON SKIN: Wash with plenty of soap and water. 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

Inhalation	Coughing and/or wheezing. Difficulty in breathing. Dizziness.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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 Thermal decomposition can lead to release of irritating and toxic gases and vapours.

Hazardous combustion products Carbon oxides. Hydrocarbons.

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 protective equipment as required. Evacuate personnel to safe areas. In case of inadequate ventilation wear respiratory protection.

Other information 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 Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for containment Contain spill and move containers from spill area. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Mix in sufficient absorbent until it appears dry. Contaminated absorbent material may pose the same hazard as the spilt product.

Methods for cleaning up Clean up residue with an appropriate solvent selected by a qualified and authorised person and then ventilate the area with fresh air.

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**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid breathing of dust created by cutting, sanding, grinding or machining. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Avoid eating, drinking and smoking when using the product. Wash thoroughly after handling.

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. Store away from incompatible materials. See section 10 for more information.

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.

Chemical name	United Kingdom
ALUMINIUM OXIDE 1344-28-1	TWA: 4 mg/m ³ TWA: 10 mg/m ³

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
WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST 8042-47-5	-	217.05 mg/kg bw/day [4] [6]	164.56 mg/m ³ [4] [6]
ALUMINIUM OXIDE 1344-28-1			15.63 mg/m ³ [5] [6]
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) -		21 mg/kg [4] [6]	330 mg/m ³ [4] [6] 570 mg/m ³ [4] [7]
OLEOCETYL ALCOHOL 80-85 68002-94-8		125 mg/kg/day [4] [6]	220 mg/m ³ [4] [6]
HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE -		12.5 mg/kg/day [4] [6]	151 mg/m ³ [4] [6] 2.31 mg/m ³ [5] [6] 160.23 mg/m ³ [5] [7] 384 mg/m ³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
1,2-BENZISOTHIAZOLIN-3(2H)-ONE 2634-33-5		0.966 mg/kg bw/day [4] [6]	6.81 mg/m ³ [4] [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
WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST 8042-47-5	25 mg/kg bw/day [4] [6]	93.02 mg/kg/day [4] [6]	34.78 mg/m ³ [4] [6]
ALUMINIUM OXIDE 1344-28-1	6.2 mg/kg/day [4] [7]		
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) -	21 mg/kg [4] [6]	12 mg/kg [4] [6]	71 mg/m ³ [4] [6] 570 mg/m ³ [4] [7]
OLEOCETYL ALCOHOL 80-85 68002-94-8	75 mg/kg/day [4] [6]	75 mg/kg/day [4] [6]	65 mg/m ³ [5] [6]
HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE -	7.5 mg/kg/day [4] [6] 25.6 mg/kg [4] [6]	7.5 mg/kg/day [4] [6]	32 mg/m ³ [4] [6] 0.69 mg/m ³ [5] [6] 143.5 mg/m ³ [5] [7] 226 mg/m ³ [4] [6]
1,2-BENZISOTHIAZOLIN-3(2H)-ONE 2634-33-5			1.2 mg/m ³ [4] [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
OLEOCETYL ALCOHOL 80-85 68002-94-8	0.00156 mg/l				
1,2-BENZISOTHIAZOLIN- 3(2H)-ONE 2634-33-5	4.03 µg/L	1.1 µg/L	0.403 µg/L	110 ng/L	

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
ALUMINIUM OXIDE 1344-28-1			20 mg/l		
OLEOCETYL ALCOHOL 80-85 68002-94-8	4.8 mg/kg	0.48 mg/kg		4 mg/kg	0.00011 mg/l

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
1,2-BENZISOTHIAZOLIN-3(2H)-ONE 2634-33-5	49.9 µg/kg	4.99 µg/kg	1.03 mg/L	3 mg/kg	

8.2. Exposure controls**Engineering controls**

Ensure adequate ventilation. Respiratory protection must be used if air contamination exceeds acceptable level.

Personal protective equipment**Eye/face protection**

Wear safety glasses with side shields (or goggles). Use eye protection according to EN ISO 16321-1.

Hand protection

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

Gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
Long term (repeated)	Polymer laminate	>0.30 mm	>=8 hours

Skin and body protection

No special protective equipment required.

Respiratory protection

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates, conforming to EN140 or EN136, filter types A and P.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Emulsion
Colour	white
Odour	Pine. Oily liquid.
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point		No information available.
Initial boiling point and boiling range		No information available.
Flammability		No information available.
Flammability Limit in Air		No information available.
Upper flammability or explosive limits		
Lower flammability or explosive limits		
Flash point		No information available.
Autoignition temperature		No information available.
Decomposition temperature		No information available.
pH	7.5 - 9	
pH (as aqueous solution)		No information available.
Kinematic viscosity	17319 - 60870 mm ² /s	
Dynamic viscosity		No information available.
Water solubility	No data available	No information available.
Solubility(ies)		No information available.

Partition coefficient		No information available.
Vapour pressure		No information available.
Relative density	1.15	
Bulk density		No information available
Liquid Density	1.15 g/ml	
Relative vapour density		No information available.
Particle characteristics		No information available.
Particle Size	No information available	
Particle Size Distribution	No information available	
Explosive properties	No information available	
Oxidising properties	No information available	

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Conditions to avoid Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Incompatible materials Alkali. Alkaline earth metals. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Hydrocarbons.

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

Inhalation	Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Inhalation causes coughing, sneezing and respiratory problems.
Eye contact	Dust contact with the eyes can lead to mechanical irritation.
Skin contact	Prolonged skin contact may defat the skin and produce dermatitis. Redness. Itching. Dryness and/or cracking.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5 mg/l (Rat) 4h
HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 4.951 mg/L (Rat) (4 h) (Vapour) 20 - 50 mg/l
ALUMINIUM OXIDE	>5000 mg/kg (Rat)	> 5000 mg/kg	> 2.3 mg/l (Rat)4h
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)	> 15000 mg/kg (Rat)	> 3400 mg/kg (Rat)	> 13.1 mg/L (Rat) (4 h) (Vapour) > 16.2 mg/l (Rat) 4h
SORBITAN MONOOLEATE, ETHOXYLATED	> 36600 mg/kg (Rat) = 20,000 mg/kg (Rat)	> 5000 mg/kg	> 5.1 mg/l (Rat)4h
HYDROCARBONS C14 - C19 ISOALKANES, CYCLICS <2% AROMATICS	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.3 mg/l (Rat)4h
OLEOCETYL ALCOHOL 80-85	> 5000 mg/kg (Rat)	-	-
HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2 mg/l (Rat) <= 20 mg/l (Rat) > 4688 mg/m ³ (Rat) 4h 20 - 50 mg/l
1,2-BENZISOTHIAZOLIN-3(2H)-ONE	1020 mg/kg (Rat) = 454 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**

Based on available data the classification criteria are not met.

WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (8042-47-5)

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

HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD 404	Rabbit	Dermal			Not classified Repeated exposure may cause skin dryness or cracking

ALUMINIUM OXIDE (1344-28-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
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	Rabbit	Dermal			non-irritant
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HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) (-)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal			May cause slight irritation

SORBITAN MONOOLEATE, ETHOXYLATED (9005-65-6)

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

HYDROCARBONS C14 - C19 ISOALKANES, CYCLICS <2% AROMATICS (-)

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

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE (-)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal			May cause slight irritation

1,2-BENZISOTHIAZOLIN-3(2H)-ONE (2634-33-5)

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

Serious eye damage/eye irritation Based on available data the classification criteria are not met.

WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (8042-47-5)

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

HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS (-)

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

ALUMINIUM OXIDE (1344-28-1)

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

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) (-)

Method	Species	Exposure route	Effective dose	Exposure time	Results
Read-across OECD 405	Rabbit	eye			Not classified

SORBITAN MONOOLEATE, ETHOXYLATED (9005-65-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Not expected to cause eye irritation

HYDROCARBONS C14 - C19 ISOALKANES, CYCLICS <2% AROMATICS (-)

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

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE (-)

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

1,2-BENZISOTHIAZOLIN-3(2H)-ONE (2634-33-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	eye			Causes serious eye damage

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

WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (8042-47-5)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig		Not classified

HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Species	Exposure route	Results
OECD 406	Guinea pig	Dermal	Not classified

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) (-)

Method	Species	Exposure route	Results
OECD 406	Guinea pig	Dermal	Not classified

SORBITAN MONOOLEATE, ETHOXYLATED (9005-65-6)

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

HYDROCARBONS C14 - C19 ISOALKANES, CYCLICS <2% AROMATICS (-)

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

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE (-)

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

1,2-BENZISOTHIAZOLIN-3(2H)-ONE (2634-33-5)

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

Germ cell mutagenicity Based on available data the classification criteria are not met.

Component Information

WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (8042-47-5)

Method	Species	Results
	in vitro	Not mutagenic

HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Species	Results
	in vitro	Not mutagenic
	in vivo	Not mutagenic

ALUMINIUM OXIDE (1344-28-1)

Method	Species	Results
	in vitro	Not mutagenic

SORBITAN MONOOLEATE, ETHOXYLATED (9005-65-6)

Method	Species	Results
	in vitro	Not mutagenic

HYDROCARBONS C14 - C19 ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Species	Results
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	in vitro	Not mutagenic
	in vivo	Not mutagenic

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE (-)

Method	Species	Results
	in vitro	Not mutagenic
	in vivo	Not mutagenic

1,2-BENZISOTHAZOLIN-3(2H)-ONE (2634-33-5)

Method	Species	Results
	in vivo	Not mutagenic
	in vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Based on available data the classification criteria are not met.

Component Information

WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (8042-47-5)

Method	Species	Results
	Mouse	Not Carcinogenic
	Animal Data.	Not Carcinogenic

HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Species	Results
OECD 453		Not classified

ALUMINIUM OXIDE (1344-28-1)

Method	Species	Results
	Rat	Not Carcinogenic

SORBITAN MONOOLEATE, ETHOXYLATED (9005-65-6)

Method	Species	Results
	Rat	Some positive data exist, but the data are not sufficient for classification

Reproductive toxicity

Based on available data the classification criteria are not met.

WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (8042-47-5)

Method	Species	Results
	Rat	Negative NOAEL 4,350 mg/kg/day
	Rat	Negative NOAEL 4,350 mg/kg/day
	Rat	Negative NOAEL 4,350 mg/kg/day

HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Species	Results
	Rat	Not classified

SORBITAN MONOOLEATE, ETHOXYLATED (9005-65-6)

Method	Species	Results
	Rat	NOAEL 6666 mg/kg/day Negative
	Rat	NOAEL 6666 mg/kg/day Negative
	Rat	NOAEL 5000 mg/kg/day Negative

HYDROCARBONS C14 - C19 ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Species	Results
	Rat	Not classified

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE (-)

Method	Species	Results
	Rat	Not classified

1,2-BENZISOTHIAZOLIN-3(2H)-ONE (2634-33-5)

Method	Species	Results
	Rat	NOAEL 112 mg/kg/day Negative

STOT - single exposure

Based on available data the classification criteria are not met.

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) (-)

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

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE (-)

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

1,2-BENZISOTHIAZOLIN-3(2H)-ONE (2634-33-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
		Inhalation			Some positive data exist, but the data are not sufficient for classification

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Component Information

WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (8042-47-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat	Ingestion	1.381 mg/kg	90 days	Not classified
	Rat	Ingestion	1.336 mg/kg	90 days	Not classified

ALUMINIUM OXIDE (1344-28-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	human data	Inhalation			Some positive data exist, but the data are not sufficient for classification
	human data	Inhalation			Not classified

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) (-)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	human data	Inhalation			Causes damage to

					organs through prolonged or repeated exposure
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SORBITAN MONOOLEATE, ETHOXYLATED (9005-65-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat	Ingestion	4132 mg/kg bw/d	90 days	Not classified

1,2-BENZISOTHAZOLIN-3(2H)-ONE (2634-33-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat	Ingestion	322 mg/kg bw/d	90 days	Not classified
	Rat	Ingestion	150 mg/kg bw/d	28 days	Not classified

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.

WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (8042-47-5)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Daphnia magna	NOEL	>100 mg/L	21 days	
OECD Test No. 203: Fish, Acute Toxicity Test	Oncorhynchus mykiss (rainbow trout)	LL50	>100 mg/L	96 hours	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Daphnia magna	EL50	>100 mg/L	48 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Pseudokirchneriella subcapitata	NOELR	100 mg/L	72 hours	

HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Green Algae	EL50	> 1000 mg/L	72 hours	
	Oncorhynchus mykiss (rainbow trout)	LL50	> 1000 mg/L	96 hours	
	Water flea	EL50	> 1000 mg/L	48 hours	
	Green Algae	NOEL	1000 mg/L	72 hours	

ALUMINIUM OXIDE (1344-28-1)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Fish	LC50	>100 mg/L	96 hours	
	Green Algae	EC50	>100 mg/L	72 hours	
	Water flea	LC50	>100 mg/L	48 hours	
	Green Algae	NOEC	>100 mg/L	72 hours	

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) (-)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 203: Fish, Acute Toxicity Test	Fish	LL50	10 - 30 mg/L	96 hours	Toxic to aquatic life

OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Crustacea	EL50	10 - 22 mg/L	48 hours	Toxic to aquatic life
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Algae	EL50	4.1 mg/L	72 hours	Toxic to aquatic life
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Algae	NOELR	0.76 mg/L	72 hours	Harmful to aquatic life with long lasting effects
	Water flea	EL10	0.316 mg/L	21 days	

SORBITAN MONOOLEATE, ETHOXYLATED (9005-65-6)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	copepod <i>Acartia tonsa</i>	LL50	>10000 mg/L	48 hours	
	Green Algae	EL50	58.84 mg/L	72 hours	
	Fish	LC50	>100 mg/L	96 hours	
	Green Algae	EC10	19.05 mg/L	72 hours	
	Water flea	NOEL	10 mg/L	21 days	

HYDROCARBONS C14 - C19 ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	activated sludge	EC50	>100 mg/L	3 hours	
	Fish	LL50	>1028 mg/L	96 hours	
	Green Algae	EL50	>1000 mg/L	72 hours	
	Water flea	EL50	>1000 mg/L	48 hours	
	Green Algae	NOEL	1000 mg/L	72 hours	
	Water flea	NOEL	5 mg/L	21 days	

OLEOCETYL ALCOHOL 80-85 (68002-94-8)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Water flea	EC50	70 mg/L	48 hours	

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE (-)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Green Algae	EL50	3 mg/L	72 hours	
	<i>Oncorhynchus mykiss</i> (rainbow trout)	LL50	5 mg/L	96 hours	
	Water flea	EL50	10 mg/L	48 hours	
	Green Algae	NOEL	1 mg/L	72 hours	

1,2-BENZISOTHIAZOLIN-3(2H)-ONE (2634-33-5)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Algae	ErC50	0.11 mg/L	72 hours	Very toxic to aquatic life
	Crustacea	EC50	0.062 mg/L	48 hours	
	<i>Oncorhynchus mykiss</i> (rainbow trout)	LC50	1.6 mg/L	96 hours	
	Water flea	EC50	2.9 mg/L	48 hours	
	Green Algae	NOEC	0.0403 mg/L	72 hours	

12.2. Persistence and degradability**Persistence and degradability** No information available.**WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (8042-47-5)**

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	28 days	0% Biodegradation	Not readily biodegradable

HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	> 60% Biodegradation	Readily biodegradable

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) (-)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	75% Biodegradation	Readily biodegradable

SORBITAN MONOOLEATE, ETHOXYLATED (9005-65-6)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	28 days	Biodegradation 61%	Readily biodegradable

HYDROCARBONS C14 - C19 ISOALKANES, CYCLICS <2% AROMATICS (-)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	82% Biodegradation	Readily biodegradable

OLEOCETYL ALCOHOL 80-85 (68002-94-8)

Method	Exposure time	Value	Results
OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D)	28 days	87% Biodegradation	Readily biodegradable

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE (-)

Method	Exposure time	Value	Results
	28 days	49.6% Biodegradation	Readily biodegradable

1,2-BENZISOTHIAZOLIN-3(2H)-ONE (2634-33-5)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	28 days	0% Biodegradation	Not readily biodegradable

12.3. Bioaccumulative potential**Bioaccumulation** There is no data for this product.**Component Information**

Chemical name	Partition coefficient
WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST	>4
HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS	> 4

OLEOCETYL ALCOHOL 80-85	6.65
HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE	2.8-6.5
1,2-BENZISOTHIAZOLIN-3(2H)-ONE	1.45

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
WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST	The substance is not PBT / vPvB
HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS	The substance is not PBT / vPvB
ALUMINIUM OXIDE	Not applicable The substance is not PBT / vPvB
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)	The substance is not PBT / vPvB
1,2-BENZISOTHIAZOLIN-3(2H)-ONE	The substance is not PBT / vPvB

12.6. Other adverse effects

No information available.

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

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information**IATA**

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None

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

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
HYDROCARBONS C11-C14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS - -	75	-
1,2-BENZISOTHIAZOLIN-3(2H)-ONE - 2634-33-5	75	-

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)

Chemical name	The Biocidal Products Regulations 2001 (as amended)
1,2-BENZISOTHIAZOLIN-3(2H)-ONE - 2634-33-5	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 6: Preservatives for products during storage Product-type 9: Fibre, leather, rubber and polymerised materials preservatives Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 13: Working or cutting fluid preservatives

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
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/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

EUH066 - Repeated exposure may cause skin dryness or cracking
H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H336 - May cause drowsiness or dizziness
H372 - Causes damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

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)
 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

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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