



Safety Data Sheet

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|---------------------------------------|-------------------|-------------------------|------------|
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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

1.1. Product identifier

3M™ Marine High Gloss Gelcoat Compound, 06025, 06026

Product Identification Numbers

60-4300-5055-3 UU-0031-6580-8

7000044932 7100077668

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

Identified uses

Automotive.

1.3. Details of the supplier of the safety data sheet

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
Telephone: +44 (0)1344 858 000
E Mail: tox.uk@mmm.com
Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

Flammable Liquid, Category 3 - Flam. Liq. 3; H226

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315

Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H336

Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING.

Symbols:

GHS02 (Flame) |GHS07 (Exclamation mark) |GHS09 (Environment) |

Pictograms



Ingredients:

| Ingredient | CAS Nbr | EC No. | % by Wt |
|---|------------|-----------|---------|
| Distillates (petroleum), hydro- treated light | 64742-47-8 | 265-149-8 | 5 - 15 |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | 265-184-9 | 5 - 10 |
| propan-2-ol | 67-63-0 | 200-661-7 | 1 - 2 |

HAZARD STATEMENTS:

| | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |

PRECAUTIONARY STATEMENTS

General:

P102 Keep out of reach of children.

Prevention:

P210A Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261A Avoid breathing vapours.

Response:

P332 + P313 If skin irritation occurs: Get medical advice/attention.
P370 + P378G In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

Disposal:

P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

10% of the mixture consists of components of unknown acute oral toxicity.

Contains 10% of components with unknown hazards to the aquatic environment.

Notes on labelling

H304 is not required on the label due to the product's viscosity

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | EC No. | REACH Registration No. | % by Wt | Classification |
|--|------------|-----------|------------------------|--|--|
| Aluminium Oxide (non-fibrous) | 1344-28-1 | 215-691-6 | 01-2119529248-35 | 30 - 35 | Substance with a Community level exposure limit in the workplace |
| Non-Hazardous Ingredients | Mixture | | | 20 - 30 | Substance not classified as hazardous |
| Distillates (petroleum), hydro- treated light | 64742-47-8 | 265-149-8 | | 5 - 15 | Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Flam. Liq. 3, H226; Skin Irrit. 2, H315; STOT SE 3, H336 |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | | 926-141-6 | | 5 - 10 | Asp. Tox. 1, H304; EUH066 |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | 265-184-9 | | 5 - 10 | Asp. Tox. 1, H304 Flam. Liq. 3, H226; STOT SE 3, H336; EUH066 |
| Sorbitan monostearate, ethoxylated | 9005-67-8 | 500-020-4 | | 1 - 4 | Substance not classified as hazardous |
| Sorbitan Oleate | 1338-43-8 | 215-665-4 | | 1 - 2 | Substance not classified as hazardous |
| Oleic Acid | 112-80-1 | 204-007-1 | | 1 - 2 | Substance not classified as hazardous |
| White mineral oil (petroleum) | 8042-47-5 | 232-455-8 | | 1 - 2 | Asp. Tox. 1, H304 |
| Glycerin | 56-81-5 | 200-289-5 | | 1 - 2 | Substance with a Community level exposure limit in the workplace |
| Triethanolamine | 102-71-6 | 203-049-8 | 01-2119486482-31 | 1 - 2 | Substance not classified as hazardous |
| propan-2-ol | 67-63-0 | 200-661-7 | 01-2119457558-25 | 1 - 2 | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 |
| naphthalene | 91-20-3 | 202-049-5 | | < 0.15 | Acute Tox. 4, H302; Carc. 2, H351; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 |
| P-[(Diiodomethyl)sulphony]toluene | 20018-09-1 | 243-468-3 | | 0.0817 0.0874 {Typically 0.0855} | Aquatic Acute 1, H400,M=10; Aquatic Chronic 1, H410,M=10 |

Note: Any entry in the EC# column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye contact

No need for first aid is anticipated.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

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

See Section 11.1 Information on toxicological effects

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

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u> |
|------------------|--------------------|
| Carbon monoxide | During combustion. |
| Carbon dioxide. | During combustion. |

5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or

bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR-AFFF type foam is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not use in a confined area with minimal air exchange. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapour accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Protect from sunlight. Store away from heat. Store away from acids. Store away from oxidising agents.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | CAS Nbr | Agency | Limit type | Additional comments |
|-------------------------------|-----------|--------|--|---------------------|
| Aluminium Oxide (non-fibrous) | 1344-28-1 | UK HSC | TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 mg/m ³ | |
| Glycerin | 56-81-5 | UK HSC | TWA(as mist):10 mg/m ³ | |
| propan-2-ol | 67-63-0 | UK HSC | TWA:999 mg/m ³ (400 ppm);STEL:1250 mg/m ³ (500 ppm) | |

UK HSC : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

Biological limit values

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| Ingredient | CAS Nbr | Agency | Determinant | Biological Specimen | Sampling Time | Value | Additional comments |
|-----------------------------------|---------|---------------|-----------------|---------------------|---------------|------------|---------------------|
| POLYNUCLEAR AROMATIC HYDROCARBONS | 91-20-3 | UK EH40 BMGVs | 1-Hydroxypyrene | urine | EOS | 4 umol/mol | |

UK EH40 BMGVs : UK. EH40 Biological Monitoring Guidance Values (BMGVs)
EOS: End of shift.

Derived no effect level (DNEL)

| Ingredient | Degradation Product | Population | Human exposure pattern | DNEL |
|-------------|---------------------|------------|--|-----------------------|
| propan-2-ol | | Worker | Dermal, Long-term exposure (8 hours), Systemic effects | 888 mg/kg bw/d |
| propan-2-ol | | Worker | Inhalation, Long-term exposure (8 hours), Systemic effects | 500 mg/m ³ |

Predicted no effect concentrations (PNEC)

| Ingredient | Degradation Product | Compartment | PNEC |
|-------------|---------------------|--|----------------|
| propan-2-ol | | Agricultural soil | 28 mg/kg d.w. |
| propan-2-ol | | Concentration in marine fish for secondary poisoning | 160 mg/kg w.w. |
| propan-2-ol | | Freshwater | 140.9 mg/l |
| propan-2-ol | | Freshwater sediments | 552 mg/kg d.w. |
| propan-2-ol | | Intermittent releases to water | 140.9 mg/l |
| propan-2-ol | | Marine water | 140.9 mg/l |
| propan-2-ol | | Marine water sediments | 552 mg/kg d.w. |
| propan-2-ol | | Sewage Treatment Plant | 2,251 mg/l |

Recommended monitoring procedures: Information on recommended monitoring procedures can be obtained from UK HSC

8.2. Exposure controls

In addition, refer to the annex for more information.

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Safety glasses with side shields.

Applicable Norms/Standards

Use eye protection conforming to EN 166

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended:

| Material | Thickness (mm) | Breakthrough Time |
|------------------|-----------------------|--------------------------|
| Polymer laminate | No data available | No data available |

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used: Nitrile rubber.

Applicable Norms/Standards

Use gloves tested to EN 374

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Applicable Norms/Standards

Use a respirator conforming to EN 140 or EN 136: filter types A & P

8.2.3. Environmental exposure controls

Refer to Annex

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state

Liquid.

Colour

White

Odor

Solvent

Odour threshold

No data available.

pH

7.8 - 8.1

Boiling point/boiling range

100 °C

Melting point

No data available.

Flammability (solid, gas)

Not applicable.

Explosive properties

Not classified

Oxidising properties

Not classified

Flash point

39.4 °C [*Test Method*: Pensky-Martens Closed Cup]

Autoignition temperature

No data available.

Flammable Limits(LEL)

1 %

Flammable Limits(UEL)

7 %

Vapour pressure

<=133.3 Pa

Relative density

1.22 [*Ref Std*: WATER=1]

Water solubility

Complete

Solubility- non-water

No data available.

| | |
|--|------------------------------------|
| Partition coefficient: n-octanol/water | No data available. |
| Evaporation rate | No data available. |
| Vapour density | <=1 [Ref Std: AIR=1] |
| Decomposition temperature | No data available. |
| Viscosity | 150,000 - 210,000 mPa-s [@ 25 °C] |
| Density | 1.2 - 1.23 g/ml |

9.2. Other information

| | |
|-------------------------------|--------------------|
| EU Volatile Organic Compounds | No data available. |
| Percent volatile | 55.8 % weight |

SECTION 10: Stability and reactivity

10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| None known. | |

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

Skin contact

Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. May cause additional

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health effects (see below).

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause additional health effects (see below).

Additional Health Effects:**Single exposure may cause target organ effects:**

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

| Name | Route | Species | Value |
|--|--------------------------------|------------------------|--|
| Overall product | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Inhalation-Vapour(4 hr) | | No data available; calculated ATE >50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Aluminium Oxide (non-fibrous) | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Aluminium Oxide (non-fibrous) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 2.3 mg/l |
| Aluminium Oxide (non-fibrous) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Distillates (petroleum), hydro- treated light | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Distillates (petroleum), hydro- treated light | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 3 mg/l |
| Distillates (petroleum), hydro- treated light | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Inhalation-Vapour | Professional judgement | LC50 estimated to be 20 - 50 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Kerosine (petroleum), hydrodesulfurized | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Kerosine (petroleum), hydrodesulfurized | Inhalation-Vapour (4 hours) | Rat | LC50 > 5 mg/l |
| Kerosine (petroleum), hydrodesulfurized | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Sorbitan monostearate, ethoxylated | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Sorbitan monostearate, ethoxylated | Ingestion | Rat | LD50 > 62,640 mg/kg |
| Glycerin | Dermal | Rabbit | LD50 estimated to be > 5,000 mg/kg |
| Glycerin | Ingestion | Rat | LD50 > 5,000 mg/kg |
| propan-2-ol | Dermal | Rabbit | LD50 12,870 mg/kg |
| propan-2-ol | Inhalation-Vapour (4 hours) | Rat | LC50 72.6 mg/l |
| propan-2-ol | Ingestion | Rat | LD50 4,710 mg/kg |

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| | | | |
|-------------------------------|-------------------|------------|--|
| Oleic Acid | Dermal | Guinea pig | LD50 > 3,000 mg/kg |
| Oleic Acid | Ingestion | Rat | LD50 57,000 mg/kg |
| Sorbitan Oleate | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Sorbitan Oleate | Ingestion | Rat | LD50 > 39,800 mg/kg |
| White mineral oil (petroleum) | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| White mineral oil (petroleum) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Triethanolamine | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Triethanolamine | Ingestion | Rat | LD50 9,000 mg/kg |
| naphthalene | Dermal | Human | LD50 estimated to be 2,000 - 5,000 mg/kg |
| naphthalene | Inhalation-Vapour | Human | LC50 estimated to be 20 - 50 mg/l |
| naphthalene | Ingestion | Human | LD50 estimated to be 300 - 2,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--|-------------------------|---------------------------|
| Aluminium Oxide (non-fibrous) | Rabbit | No significant irritation |
| Distillates (petroleum), hydro- treated light | Rabbit | Mild irritant |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Rabbit | Minimal irritation |
| Kerosine (petroleum), hydrodesulfurized | Rabbit | Minimal irritation |
| Glycerin | Rabbit | No significant irritation |
| propan-2-ol | Multiple animal species | No significant irritation |
| Oleic Acid | Rabbit | Minimal irritation |
| White mineral oil (petroleum) | Rabbit | No significant irritation |
| Triethanolamine | Rabbit | Minimal irritation |
| naphthalene | Rabbit | Minimal irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|---------|---------------------------|
| Aluminium Oxide (non-fibrous) | Rabbit | No significant irritation |
| Distillates (petroleum), hydro- treated light | Rabbit | Mild irritant |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Rabbit | Mild irritant |
| Kerosine (petroleum), hydrodesulfurized | Rabbit | No significant irritation |
| Glycerin | Rabbit | No significant irritation |
| propan-2-ol | Rabbit | Severe irritant |
| Oleic Acid | Rabbit | Mild irritant |
| White mineral oil (petroleum) | Rabbit | Mild irritant |
| Triethanolamine | Rabbit | Mild irritant |
| naphthalene | Rabbit | No significant irritation |

Skin Sensitisation

| Name | Species | Value |
|--|------------|----------------|
| Distillates (petroleum), hydro- treated light | Guinea pig | Not classified |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Guinea pig | Not classified |
| Kerosine (petroleum), hydrodesulfurized | Guinea pig | Not classified |
| Glycerin | Guinea pig | Not classified |
| propan-2-ol | Guinea pig | Not classified |
| White mineral oil (petroleum) | Guinea pig | Not classified |
| Triethanolamine | Human | Not classified |

Respiratory Sensitisation

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For the component/components, either no data is currently available or the data is not sufficient for classification.

Germ Cell Mutagenicity

| Name | Route | Value |
|--|----------|--|
| Aluminium Oxide (non-fibrous) | In Vitro | Not mutagenic |
| Distillates (petroleum), hydro- treated light | In Vitro | Not mutagenic |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | In Vitro | Not mutagenic |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | In vivo | Not mutagenic |
| Kerosine (petroleum), hydrodesulfurized | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Kerosine (petroleum), hydrodesulfurized | In vivo | Some positive data exist, but the data are not sufficient for classification |
| propan-2-ol | In Vitro | Not mutagenic |
| propan-2-ol | In vivo | Not mutagenic |
| Oleic Acid | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| White mineral oil (petroleum) | In Vitro | Not mutagenic |
| Triethanolamine | In Vitro | Not mutagenic |
| Triethanolamine | In vivo | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|--|----------------|-------------------------|--|
| Aluminium Oxide (non-fibrous) | Inhalation | Rat | Not carcinogenic |
| Distillates (petroleum), hydro- treated light | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not specified. | Not available | Not carcinogenic |
| Kerosine (petroleum), hydrodesulfurized | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Glycerin | Ingestion | Mouse | Some positive data exist, but the data are not sufficient for classification |
| propan-2-ol | Inhalation | Rat | Some positive data exist, but the data are not sufficient for classification |
| Oleic Acid | Dermal | Mouse | Not carcinogenic |
| Oleic Acid | Ingestion | Rat | Not carcinogenic |
| Oleic Acid | Not specified. | Multiple animal species | Not carcinogenic |
| White mineral oil (petroleum) | Dermal | Mouse | Not carcinogenic |
| White mineral oil (petroleum) | Inhalation | Multiple animal species | Not carcinogenic |
| Triethanolamine | Dermal | Multiple animal species | Not carcinogenic |
| Triethanolamine | Ingestion | Mouse | Some positive data exist, but the data are not sufficient for classification |
| naphthalene | Inhalation | Multiple animal species | Carcinogenic. |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|--|----------------|--|---------|---------------------|---------------------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not specified. | Not classified for female reproduction | Rat | NOAEL Not available | 1 generation |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not specified. | Not classified for male reproduction | Rat | NOAEL Not available | 1 generation |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not specified. | Not classified for development | Rat | NOAEL Not available | 1 generation |
| Kerosine (petroleum), hydrodesulfurized | Dermal | Not classified for female reproduction | Rat | NOAEL 494 mg/kg/day | pre mating & during |

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| | | | | | |
|---|------------|--|-------|-----------------------|--------------------------------|
| | | | | | gestation |
| Kerosine (petroleum), hydrodesulfurized | Dermal | Not classified for male reproduction | Rat | NOAEL 494 mg/kg/day | prematuring & during gestation |
| Kerosine (petroleum), hydrodesulfurized | Dermal | Not classified for development | Rat | NOAEL 494 mg/kg/day | prematuring & during gestation |
| Kerosine (petroleum), hydrodesulfurized | Inhalation | Not classified for development | Rat | NOAEL 400 ppm | during organogenesis |
| Glycerin | Ingestion | Not classified for female reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerin | Ingestion | Not classified for male reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerin | Ingestion | Not classified for development | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| propan-2-ol | Ingestion | Not classified for development | Rat | NOAEL 400 mg/kg/day | during organogenesis |
| propan-2-ol | Inhalation | Not classified for development | Rat | LOAEL 9 mg/l | during gestation |
| White mineral oil (petroleum) | Ingestion | Not classified for female reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White mineral oil (petroleum) | Ingestion | Not classified for male reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White mineral oil (petroleum) | Ingestion | Not classified for development | Rat | NOAEL 4,350 mg/kg/day | during gestation |
| Triethanolamine | Ingestion | Not classified for development | Mouse | NOAEL 1,125 mg/kg/day | during organogenesis |

Target Organ(s)
Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|------------|-----------------------------------|--|-------------------------|---------------------|------------------------|
| Distillates (petroleum), hydro- treated light | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Distillates (petroleum), hydro- treated light | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Distillates (petroleum), hydro- treated light | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| Kerosine (petroleum), hydrodesulfurized | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL not available | occupational exposure |
| Kerosine (petroleum), hydrodesulfurized | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL not available | not available |
| Kerosine (petroleum), hydrodesulfurized | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL not available | poisoning and/or abuse |
| Kerosine (petroleum), hydrodesulfurized | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL not available | not applicable |
| Kerosine (petroleum), hydrodesulfurized | Ingestion | liver | Not classified | Rat | LOAEL 18,912 mg/kg | not applicable |
| Kerosine (petroleum), hydrodesulfurized | Ingestion | heart hematopoietic system | Not classified | Human | NOAEL not available | poisoning and/or abuse |
| propan-2-ol | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |

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| | | | | | | |
|-------------|------------|-----------------------------------|--|------------|---------------------|------------------------|
| propan-2-ol | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| propan-2-ol | Inhalation | auditory system | Not classified | Guinea pig | NOAEL 13.4 mg/l | 24 hours |
| propan-2-ol | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |
| naphthalene | Ingestion | blood | Causes damage to organs | Human | NOAEL Not available | poisoning and/or abuse |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|------------|--|--|-------------------------|------------------------|-----------------------|
| Aluminium Oxide (non-fibrous) | Inhalation | pneumoconiosis | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| Aluminium Oxide (non-fibrous) | Inhalation | pulmonary fibrosis | Not classified | Human | NOAEL Not available | occupational exposure |
| Kerosine (petroleum), hydrodesulfurized | Dermal | hematopoietic system | Not classified | Mouse | NOAEL 500 mg/kg/day | 13 weeks |
| Kerosine (petroleum), hydrodesulfurized | Dermal | liver immune system kidney and/or bladder | Not classified | Mouse | NOAEL 500 mg/kg/day | 2 years |
| Kerosine (petroleum), hydrodesulfurized | Dermal | nervous system | Not classified | Mouse | NOAEL 2,700 mg/kg/day | 1 weeks |
| Kerosine (petroleum), hydrodesulfurized | Dermal | heart gastrointestinal tract muscles respiratory system | Not classified | Mouse | NOAEL 500 mg/kg/day | 2 years |
| Kerosine (petroleum), hydrodesulfurized | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL not available | 1 years |
| Kerosine (petroleum), hydrodesulfurized | Inhalation | liver | Not classified | Rat | NOAEL 0.231 mg/l | 14 weeks |
| Kerosine (petroleum), hydrodesulfurized | Inhalation | heart | Not classified | Guinea pig | LOAEL 20.4 mg/l | not available |
| Kerosine (petroleum), hydrodesulfurized | Inhalation | gastrointestinal tract hematopoietic system muscles respiratory system | Not classified | Multiple animal species | NOAEL 0.1 mg/l | 13 weeks |
| Glycerin | Inhalation | respiratory system heart liver kidney and/or bladder | Not classified | Rat | NOAEL 3.91 mg/l | 14 days |
| Glycerin | Ingestion | endocrine system hematopoietic system liver kidney and/or bladder | Not classified | Rat | NOAEL 10,000 mg/kg/day | 2 years |
| propan-2-ol | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 12.3 mg/l | 24 months |
| propan-2-ol | Inhalation | nervous system | Not classified | Rat | NOAEL 12 mg/l | 13 weeks |
| propan-2-ol | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 400 mg/kg/day | 12 weeks |
| Oleic Acid | Ingestion | liver immune system | Not classified | Rat | NOAEL 2,250 mg/kg/day | 108 weeks |
| Oleic Acid | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 2,550 mg/kg/day | 108 weeks |
| White mineral oil (petroleum) | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,381 mg/kg/day | 90 days |
| White mineral oil (petroleum) | Ingestion | liver immune system | Not classified | Rat | NOAEL 1,336 mg/kg/day | 90 days |
| Triethanolamine | Dermal | kidney and/or | Not classified | Multiple | NOAEL | 2 years |

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| | | | | | | |
|-----------------|------------|-----------------------|--|----------------|-----------------------|------------------------|
| | | bladder | | animal species | 2,000 mg/kg/day | |
| Triethanolamine | Dermal | liver | Not classified | Mouse | NOAEL 4,000 mg/kg/day | 13 weeks |
| Triethanolamine | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 1,000 mg/kg/day | 2 years |
| Triethanolamine | Ingestion | liver | Not classified | Guinea pig | NOAEL 1,600 mg/kg/day | 24 weeks |
| naphthalene | Dermal | blood | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | poisoning and/or abuse |
| naphthalene | Dermal | eyes | Not classified | Human | NOAEL Not available | occupational exposure |
| naphthalene | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.01 mg/l | 13 weeks |
| naphthalene | Inhalation | blood | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | poisoning and/or abuse |
| naphthalene | Inhalation | eyes | Not classified | Human | NOAEL Not available | occupational exposure |
| naphthalene | Ingestion | blood | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | poisoning and/or abuse |
| naphthalene | Ingestion | eyes | May cause damage to organs though prolonged or repeated exposure | Rabbit | LOAEL 500 mg/kg/day | 15 days |

Aspiration Hazard

| Name | Value |
|--|-------------------|
| Distillates (petroleum), hydro- treated light | Aspiration hazard |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Aspiration hazard |
| Kerosine (petroleum), hydrodesulfurized | Aspiration hazard |
| White mineral oil (petroleum) | Aspiration hazard |

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

| Material | CAS # | Organism | Type | Exposure | Test endpoint | Test result |
|---|------------|---------------|--------------|----------|------------------|-------------|
| Aluminium Oxide (non-fibrous) | 1344-28-1 | | Experimental | 96 hours | LC50 | >100 mg/l |
| Aluminium Oxide (non-fibrous) | 1344-28-1 | Green algae | Experimental | 72 hours | EC50 | >100 mg/l |
| Aluminium Oxide (non-fibrous) | 1344-28-1 | Water flea | Experimental | 48 hours | LC50 | >100 mg/l |
| Aluminium Oxide (non-fibrous) | 1344-28-1 | Green algae | Experimental | 72 hours | NOEC | >100 mg/l |
| Distillates (petroleum), hydro- treated light | 64742-47-8 | Green Algae | Estimated | 72 hours | EC50 | 1 mg/l |
| Distillates (petroleum), hydro- treated light | 64742-47-8 | Rainbow trout | Estimated | 96 hours | Lethal Level 50% | 2 mg/l |
| Distillates (petroleum), hydro- treated light | 64742-47-8 | Water flea | Estimated | 48 hours | Effect Level 50% | 1.4 mg/l |

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| | | | | | | |
|--|------------|----------------|---|----------|--------------------------|--------------|
| Distillates (petroleum), hydro- treated light | 64742-47-8 | Green Algae | Estimated | 72 hours | No obs Effect Level | 1 mg/l |
| Distillates (petroleum), hydro- treated light | 64742-47-8 | Water flea | Estimated | 21 days | No obs Effect Level | 0.48 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Green Algae | Experimental | 72 hours | Effect Level 50% | >1,000 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Rainbow trout | Experimental | 96 hours | Lethal Level 50% | >1,000 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Water flea | Experimental | 48 hours | Effect Level 50% | >1,000 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Green Algae | Experimental | 72 hours | No obs Effect Level | 1,000 mg/l |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | Green Algae | Estimated | 72 hours | Effect Level 50% | >1 mg/l |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | Rainbow trout | Estimated | 96 hours | Lethal Level 50% | >2 mg/l |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | Water flea | Experimental | 48 hours | Effect Level 50% | 1.4 mg/l |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | Green Algae | Estimated | 72 hours | No obs Effect Level | 1 mg/l |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | Water flea | Experimental | 21 days | No obs Effect Level | 0.48 mg/l |
| Sorbitan monostearate, ethoxylated | 9005-67-8 | Copepods | Estimated | 48 hours | Lethal Level 50% | >10,000 mg/l |
| Sorbitan monostearate, ethoxylated | 9005-67-8 | Green Algae | Estimated | 72 hours | Effect Level 50% | 58.84 mg/l |
| Sorbitan monostearate, ethoxylated | 9005-67-8 | Zebra Fish | Estimated | 96 hours | Lethal Level 50% | >100 mg/l |
| Sorbitan monostearate, ethoxylated | 9005-67-8 | Green Algae | Estimated | 72 hours | Effect Concentration 10% | 19.05 mg/l |
| Sorbitan monostearate, ethoxylated | 9005-67-8 | Water flea | Estimated | 21 days | No obs Effect Level | 10 mg/l |
| Glycerin | 56-81-5 | Rainbow trout | Experimental | 96 hours | LC50 | 54,000 mg/l |
| Glycerin | 56-81-5 | Water flea | Experimental | 48 hours | LC50 | 1,955 mg/l |
| propan-2-ol | 67-63-0 | Crustacea | Experimental | 24 hours | LC50 | >10,000 mg/l |
| propan-2-ol | 67-63-0 | Green Algae | Experimental | 72 hours | EC50 | >1,000 mg/l |
| propan-2-ol | 67-63-0 | Ricefish | Experimental | 96 hours | LC50 | >100 mg/l |
| propan-2-ol | 67-63-0 | Water flea | Experimental | 48 hours | EC50 | >1,000 mg/l |
| propan-2-ol | 67-63-0 | Green algae | Experimental | 72 hours | NOEC | 1,000 mg/l |
| propan-2-ol | 67-63-0 | Water flea | Experimental | 21 days | NOEC | 100 mg/l |
| Oleic Acid | 112-80-1 | | Data not available or insufficient for classification | | | |
| Sorbitan Oleate | 1338-43-8 | Rainbow trout | Experimental | 96 hours | LC50 | >100 mg/l |
| Triethanolamine | 102-71-6 | Fathead minnow | Experimental | 96 hours | LC50 | 11,800 mg/l |
| Triethanolamine | 102-71-6 | Green algae | Experimental | 72 hours | EC50 | 512 mg/l |
| Triethanolamine | 102-71-6 | Water flea | Experimental | 48 hours | EC50 | 609.98 mg/l |

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| | | | | | | |
|------------------------------------|------------|---------------|--------------|----------|--------------------------|------------|
| Triethanolamine | 102-71-6 | Green Algae | Experimental | 72 hours | Effect Concentration 10% | 26 mg/l |
| Triethanolamine | 102-71-6 | Water flea | Experimental | 21 days | NOEC | 16 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Water flea | Estimated | 48 hours | Effect Level 50% | >100 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Bluegill | Experimental | 96 hours | Lethal Level 50% | >100 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Green algae | Estimated | 72 hours | No obs Effect Level | >100 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Water flea | Estimated | 21 days | No obs Effect Level | >100 mg/l |
| naphthalene | 91-20-3 | Diatom | Experimental | 72 hours | EC50 | 0.4 mg/l |
| naphthalene | 91-20-3 | Rainbow trout | Experimental | 96 hours | LC50 | 0.11 mg/l |
| naphthalene | 91-20-3 | Water flea | Experimental | 48 hours | EC50 | 1.6 mg/l |
| naphthalene | 91-20-3 | Fish other | Experimental | 40 days | NOEC | 0.12 mg/l |
| P-[(Diiodomethyl)sulphonyl]toluene | 20018-09-1 | Green Algae | Experimental | 72 hours | EC50 | 0.102 mg/l |
| P-[(Diiodomethyl)sulphonyl]toluene | 20018-09-1 | Rainbow trout | Experimental | 96 hours | LC50 | 0.067 mg/l |
| P-[(Diiodomethyl)sulphonyl]toluene | 20018-09-1 | Water flea | Experimental | 48 hours | EC50 | 0.279 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|-----------------------------------|----------|--------------------------------|-------------------|-------------------------------------|
| Aluminium Oxide (non-fibrous) | 1344-28-1 | Data not available - insufficient | | | N/A | |
| Distillates (petroleum), hydro- treated light | 64742-47-8 | Data not available - insufficient | | | N/A | |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Experimental Biodegradation | 28 days | BOD | 69 % BOD/ThBOD | OECD 301F - Manometric respirometry |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | Data not available - insufficient | | | N/A | |
| Sorbitan monostearate, ethoxylated | 9005-67-8 | Estimated Biodegradation | 28 days | CO2 evolution | 61 % weight | Other methods |
| Glycerin | 56-81-5 | Experimental Biodegradation | 14 days | BOD | 63 % BOD/ThBOD | OECD 301C - MITI test (I) |
| propan-2-ol | 67-63-0 | Experimental Biodegradation | 14 days | BOD | 86 % BOD/ThBOD | OECD 301C - MITI test (I) |
| Oleic Acid | 112-80-1 | Experimental Biodegradation | 28 days | BOD | 78 % BOD/ThBOD | OECD 301C - MITI test (I) |
| Sorbitan Oleate | 1338-43-8 | Estimated Biodegradation | 28 days | BOD | 68 % weight | OECD 301B - Modified sturm or CO2 |
| Triethanolamine | 102-71-6 | Experimental Biodegradation | 19 days | Dissolv. Organic Carbon Deplet | 96 % weight | Other methods |
| White mineral oil (petroleum) | 8042-47-5 | Experimental Biodegradation | 28 days | CO2 evolution | 0 % weight | OECD 301B - Modified sturm or CO2 |
| naphthalene | 91-20-3 | Experimental Biodegradation | 28 days | BOD | >74 % BOD/ThBOD | OECD 301C - MITI test (I) |
| P-[(Diiodomethyl)sulphonyl]toluene | 20018-09-1 | Experimental Biodegradation | 28 days | BOD | <13.8 % BOD/ThBOD | |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|----------|---------|-----------|----------|------------|-------------|----------|
|----------|---------|-----------|----------|------------|-------------|----------|

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| | | | | | | |
|--|------------|---|---------|------------------------|----------|--|
| Aluminium Oxide (non-fibrous) | 1344-28-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Distillates (petroleum), hydro- treated light | 64742-47-8 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Sorbitan monostearate, ethoxylated | 9005-67-8 | Experimental Bioconcentration | | Log Kow | 0.03 | Other methods |
| Glycerin | 56-81-5 | Experimental Bioconcentration | | Log Kow | -1.76 | Other methods |
| propan-2-ol | 67-63-0 | Experimental Bioconcentration | | Log Kow | 0.05 | Other methods |
| Oleic Acid | 112-80-1 | Experimental Bioconcentration | | Log Kow | 7.64 | Other methods |
| Sorbitan Oleate | 1338-43-8 | Estimated Bioconcentration | | Bioaccumulation factor | 7.8 | Estimated: Bioconcentration factor |
| Triethanolamine | 102-71-6 | Experimental BCF-Carp | 42 days | Bioaccumulation factor | <3.9 | Other methods |
| White mineral oil (petroleum) | 8042-47-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| naphthalene | 91-20-3 | Experimental BCF-Carp | 56 days | Bioaccumulation factor | 36.5-168 | OECD 305E - Bioaccumulation flow-through fish test |
| P-[(Diiodomethyl)sulphonyl]toluene | 20018-09-1 | Experimental Bioconcentration | | Log Kow | 2.66 | Other methods |

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

12.6. Other adverse effects

No information available.

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

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)

120109* Machining emulsions and solutions free of halogens

SECTION 14: Transportation information

60-4300-5055-3

ADR/RID: UN1866, RESIN SOLUTION, LIMITED QUANTITY, 3., III, (E), ADR Classification Code: F1.**IMDG-CODE:** UN1866, RESIN SOLUTION, 3, III, IMDG-Code segregation code: NONE, LIMITED QUANTITY, EMS: FE,SE.**ICAO/IATA:** UN1866, RESIN SOLUTION, 3., III.

UU-0031-6580-8

ADR/RID: UN1866, RESIN SOLUTION, LIMITED QUANTITY, 3., III, (E), ADR Classification Code: F1.**IMDG-CODE:** UN1866, RESIN SOLUTION, 3, III, IMDG-Code segregation code: NONE, LIMITED QUANTITY, EMS: FE,SE.**ICAO/IATA:** UN1866, RESIN SOLUTION, 3., III.**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Carcinogenicity**

| <u>Ingredient</u> | <u>CAS Nbr</u> | <u>Classification</u> | <u>Regulation</u> |
|--------------------------|-----------------------|-------------------------------|---|
| naphthalene | 91-20-3 | Carc. 2 | Regulation (EC) No. 1272/2008, Table 3.1 |
| naphthalene | 91-20-3 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| Triethanolamine | 102-71-6 | Gr. 3: Not classifiable | International Agency for Research on Cancer |

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this mixture. Chemical safety assessments for the contained substances may have been carried out by the registrants of the substances in accordance with Regulation (EC) No 1907/2006, as amended.

SECTION 16: Other information**List of relevant H statements**

| | |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| 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.

Revision information:

Professional Use of Cleaner: Section 16: Annex information was modified.
 Section 1: Product name information was modified.
 CLP: Ingredient table information was modified.
 Label: CLP Classification information was modified.
 Label: CLP Environmental Hazard Statements information was modified.
 Label: CLP Percent Unknown information was modified.
 Label: CLP Precautionary - Prevention information was modified.
 Label: CLP Target Organ Hazard Statement information was deleted.
 Label: Graphic information was modified.
 Section 3: Composition/ Information of ingredients table information was modified.
 Section 4: First aid for eye contact information information was modified.
 Section 5: Hazardous combustion products table information was modified.
 Section 7: Precautions safe handling information information was modified.
 BLV Reg Agency Desc information was added.
 Section 8: BLV table information was added.
 Section 8: BLV information was deleted.
 Section 8: DNEL table row information was modified.
 Legend description information was added.
 Section 8: Occupational exposure limit table information was modified.
 Section 8: Personal Protection - Skin/hand information information was modified.
 Section 8: PNEC table row information was modified.
 Section 11: Acute Toxicity table information was modified.
 Section 11: Aspiration Hazard Table information was modified.
 Section 11: Cancer Hazards information information was added.
 Section 11: Carcinogenicity Table information was modified.
 Section 11: Germ Cell Mutagenicity Table information was modified.
 Section 11: Health Effects - Skin information information was modified.
 Section 11: Reproductive Toxicity Table information was modified.
 Section 11: Serious Eye Damage/Irritation Table information was modified.
 Section 11: Skin Corrosion/Irritation Table information was modified.
 Section 11: Skin Sensitization Table information was modified.
 Section 11: Target Organs - Repeated Table information was modified.
 Section 11: Target Organs - Single Table information was modified.
 Section 12: Component ecotoxicity information information was modified.
 Section 12: Persistence and Degradability information information was modified.
 Section 12: Biocumulative potential information information was modified.
 Section 15: Carcinogenicity information information was modified.
 Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material.
 information was modified.
 Section 16: UK disclaimer information was deleted.

Annex

| 1. Title | |
|---------------------------------|---|
| Substance identification | propan-2-ol; EC No. 200-661-7; CAS Nbr 67-63-0; |
| Exposure Scenario Name | Professional Use of Cleaner |
| Lifecycle Stage | Widespread use by professional workers |
| Contributing activities | PROC 10 -Roller application or brushing PROC 11 -Non industrial spraying |

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| | |
|---|---|
| | ERC 08a -Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) ERC 08d -Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor) |
| Processes, tasks and activities covered | Application of product with microfiber towel, cloth, or brush Spraying of substances/mixtures. |
| 2. Operational conditions and risk management measures | |
| Operating Conditions | Physical state: Liquid. General operating conditions: Assumes use at not more than 20°C above ambient temperature; Duration of use: 8 hours/day; Task: Spraying; Outdoor use; |
| Risk management measures | Under the operational conditions described above the following risk management measures apply: General risk management measures: Human health: None needed; Environmental: None needed; ; The following task-specific risk management measures apply in addition to those listed above: Task: Indoor spraying; Human Health; Laminar Flow Booth; |
| Waste management measures | No use-specific waste management measures are required for this product. Refer to Section 13 of main SDS for disposal instructions: |
| 3. Prediction of exposure | |
| Prediction of exposure | Human and environmental exposures are not expected to exceed the DNELs and PNECs when the identified risk management measures are adopted. |

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

3M United Kingdom MSDSs are available at www.3M.com/uk