



Safety Data Sheet

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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

M101, Foam Cut Compound (21-89B): M10132

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: Meguiars United Kingdom Limited, 3 Lamport Court, Heartlands, Daventry, Northants, NN11 8UF
Telephone: +44 (0)870 241 6696
E Mail: info@meguiars.co.uk
Website: www.meguiars.co.uk

1.4. Emergency telephone number

+44 (0)870 241 6696

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

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.

M101, Foam Cut Compound (21-89B): M10132

Symbols:

GHS07 (Exclamation mark) |GHS09 (Environment) |

Pictograms



| Ingredient | CAS Nbr | % by Wt |
|---|------------|---------|
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | 7 - 14 |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 5 - 10 |
| Solvent naphtha (petroleum), heavy aromatic | 64742-94-5 | 1 - 5 |

HAZARD STATEMENTS:

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

General:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

Prevention:

P261A Avoid breathing vapours.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.

Disposal:

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

SUPPLEMENTAL INFORMATION

Supplemental Hazard Statements:

EUH208 Contains Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

5% of the mixture consists of components of unknown acute dermal toxicity.
47% of the mixture consists of components of unknown acute inhalation toxicity.
Contains 8% 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
Nota P applied to CAS 64742-48-9

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

M101, Foam Cut Compound (21-89B): M10132

| Ingredient | CAS Nbr | EU Inventory | % by Wt | Classification |
|---|----------------|---------------------|----------------|--|
| Non hazardous ingredients | Mixture | | 30 - 60 | |
| Aluminium Oxide (non-fibrous) | 1344-28-1 | EINECS 215-691-6 | 10 - 30 | |
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | EINECS 265-150-3 | 7 - 14 | Asp. Tox. 1, H304 - Nota P (CLP) Aquatic Chronic 2, H411 (Vendor) Flam. Liq. 3, H226; STOT SE 3, H336; EUH066 (Self Classified) |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | EINECS 265-149-8 | 5 - 10 | Asp. Tox. 1, H304 (CLP) Flam. Liq. 3, H226; STOT SE 3, H336; EUH066 (Self Classified) |
| Sorbitan monooleate, ethoxylated | 9005-65-6 | NLP 500-019-9 | 1 - 5 | |
| White mineral oil (petroleum) | 8042-47-5 | EINECS 232-455-8 | 1 - 5 | Asp. Tox. 1, H304 (Self Classified) |
| Solvent naphtha (petroleum), heavy aromatic | 64742-94-5 | EINECS 265-198-5 | 1 - 5 | Asp. Tox. 1, H304 (CLP) Flam. Liq. 3, H226; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 (Self Classified) |
| Glycerin | 56-81-5 | EINECS 200-289-5 | 1 - 5 | |
| conditioners | Trade Secret | | < 5 | |
| Triethanolamine | 102-71-6 | EINECS 203-049-8 | 0.5 - 1.5 | |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | | <= 0.00144 | Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; Skin Corr. 1B, H314; Skin Sens. 1A, H317; Aquatic Acute 1, H400,M=10; Aquatic Chronic 1, H410,M=10 (CLP) |

Please see section 16 for the full text of any H statements referred to in this section

Please refer to section 15 for any applicable Notas that have been applied to the above components

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

Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

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 ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u> |
|----------------------------|--------------------|
| Hydrocarbons. | During combustion. |
| Carbon monoxide. | During combustion. |
| Carbon dioxide. | During combustion. |
| Irritant vapours or gases. | During combustion. |

5.3. Advice for fire-fighters

No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. 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. 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. 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. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with detergent and 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. 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.)

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store away from acids. Store away from strong bases. 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 | |
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | Manufacturer determined | TWA:100 ppm | |

UK HSC : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CELL: Ceiling

Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

8.2. Exposure controls**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.

8.2.2. Personal protective equipment (PPE)**Eye/face protection**

None required.

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.

Gloves made from the following material(s) are recommended:

| Material | Thickness (mm) | Breakthrough Time |
|-----------------|-----------------------|--------------------------|
| Nitrile rubber. | No data available | No data available |

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | Liquid. |
| Appearance/Odour | Sweet odour; White, creamy lotion |
| Odour threshold | <i>No data available.</i> |
| pH | 8.4 - 8.9 |
| Boiling point/boiling range | ≥ 100 °C |
| Melting point | <i>Not applicable.</i> |
| Flammability (solid, gas) | Not applicable. |
| Explosive properties | Not classified |
| Oxidising properties | Not classified |
| Flash point | ≥ 93.3 °C [<i>Test Method: Closed Cup</i>] |
| Autoignition temperature | <i>No data available.</i> |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Vapour pressure | <i>No data available.</i> |
| Relative density | 1.18 [<i>Ref Std: WATER=1</i>] |
| Water solubility | Moderate |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Vapour density | <i>No data available.</i> |
| Decomposition temperature | <i>No data available.</i> |
| Viscosity | 24,000 - 38 Pa-s |
| Density | 1.18 g/cm ³ |

9.2. Other information

| | |
|--|----------------|
| Volatile organic compounds (VOC) | 16.75 % weight |
| VOC less H₂O & exempt solvents | 481.22 g/l |

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non reactive under normal use conditions

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Temperatures above the boiling point.

10.5 Incompatible materials

Strong acids.

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Strong bases.
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.

Eye contact

Dust created by cutting, grinding, sanding, or machining may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

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.

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-Vapor(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 | Rat | LC50 > 2.3 mg/l |

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| | | | |
|---|--------------------------------|--------|------------------------------------|
| | (4 hours) | | |
| Aluminium Oxide (non-fibrous) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Naphtha (petroleum), hydrotreated heavy | Inhalation-Vapor (4 hours) | | LC50 estimated to be 20 - 50 mg/l |
| Naphtha (petroleum), hydrotreated heavy | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Naphtha (petroleum), hydrotreated heavy | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Distillates (petroleum), hydrotreated light | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Distillates (petroleum), hydrotreated light | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 3.0 mg/l |
| Distillates (petroleum), hydrotreated light | Ingestion | Rat | LD50 > 5,000 mg/kg |
| White mineral oil (petroleum) | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| White mineral oil (petroleum) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Sorbitan monooleate, ethoxylated | Ingestion | Rat | LD50 > 38,000 mg/kg |
| Solvent naphtha (petroleum), heavy aromatic | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Solvent naphtha (petroleum), heavy aromatic | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Glycerin | Dermal | Rabbit | LD50 estimated to be > 5,000 mg/kg |
| Glycerin | Ingestion | Rat | LD50 > 5,000 mg/kg |
| conditioners | Ingestion | | LD50 estimated to be > 5,000 |
| Triethanolamine | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Triethanolamine | Ingestion | Rat | LD50 9,000 mg/kg |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Dermal | Rabbit | LD50 87 mg/kg |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.33 mg/l |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Rat | LD50 40 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|---|---------|---------------------------|
| Aluminium Oxide (non-fibrous) | Rabbit | No significant irritation |
| Naphtha (petroleum), hydrotreated heavy | Rabbit | Mild irritant |
| Distillates (petroleum), hydrotreated light | Rabbit | Mild irritant |
| White mineral oil (petroleum) | Rabbit | No significant irritation |
| Solvent naphtha (petroleum), heavy aromatic | Rabbit | Irritant |
| Glycerin | Rabbit | No significant irritation |
| conditioners | Human | Minimal irritation |
| Triethanolamine | Rabbit | Minimal irritation |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Rabbit | Corrosive |

Serious Eye Damage/Irritation

| Name | Species | Value |
|---|---------|---------------------------|
| Aluminium Oxide (non-fibrous) | Rabbit | No significant irritation |
| Naphtha (petroleum), hydrotreated heavy | Rabbit | Mild irritant |
| Distillates (petroleum), hydrotreated light | Rabbit | Mild irritant |
| White mineral oil (petroleum) | Rabbit | Mild irritant |
| Solvent naphtha (petroleum), heavy aromatic | Rabbit | Mild irritant |
| Glycerin | Rabbit | No significant irritation |
| conditioners | Rabbit | Mild irritant |
| Triethanolamine | Rabbit | Mild irritant |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Rabbit | Corrosive |

Skin Sensitisation

| Name | Species | Value |
|---|------------|-----------------|
| Naphtha (petroleum), hydrotreated heavy | Guinea pig | Not sensitising |
| Distillates (petroleum), hydrotreated light | Guinea pig | Not sensitising |

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| | | |
|---|------------------|--|
| White mineral oil (petroleum) | Guinea pig | Not sensitising |
| Solvent naphtha (petroleum), heavy aromatic | Guinea pig | Not sensitising |
| Glycerin | Guinea pig | Not sensitising |
| conditioners | Human | Some positive data exist, but the data are not sufficient for classification |
| Triethanolamine | Human | Some positive data exist, but the data are not sufficient for classification |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Human and animal | Sensitising |

Photosensitisation

| Name | Species | Value |
|---|------------------|-----------------|
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Human and animal | Not sensitising |

Respiratory Sensitisation

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 |
| Naphtha (petroleum), hydrotreated heavy | In Vitro | Not mutagenic |
| Naphtha (petroleum), hydrotreated heavy | In vivo | Not mutagenic |
| Distillates (petroleum), hydrotreated light | In Vitro | Not mutagenic |
| White mineral oil (petroleum) | In Vitro | Not mutagenic |
| conditioners | In Vitro | Not mutagenic |
| conditioners | In vivo | Not mutagenic |
| Triethanolamine | In Vitro | Not mutagenic |
| Triethanolamine | In vivo | Not mutagenic |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | In vivo | Not mutagenic |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|---|----------------|-------------------------|--|
| Aluminium Oxide (non-fibrous) | Inhalation | Rat | Not carcinogenic |
| Naphtha (petroleum), hydrotreated heavy | Not specified. | Not available | Not carcinogenic |
| Distillates (petroleum), hydrotreated light | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| White mineral oil (petroleum) | Dermal | Mouse | Not carcinogenic |
| White mineral oil (petroleum) | Inhalation | Multiple animal species | Not carcinogenic |
| Solvent naphtha (petroleum), heavy aromatic | 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 |
| Triethanolamine | Dermal | Multiple animal species | Not carcinogenic |
| Triethanolamine | Ingestion | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Dermal | Mouse | Not carcinogenic |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Rat | Not carcinogenic |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|----------------|----------------------------------|---------|-----------------------|--------------------------------|
| Naphtha (petroleum), hydrotreated heavy | Not specified. | Not toxic to female reproduction | Rat | NOAEL Not available | prematuring & during gestation |
| Naphtha (petroleum), hydrotreated heavy | Not specified. | Not toxic to male reproduction | Rat | NOAEL Not available | 28 days |
| Naphtha (petroleum), hydrotreated heavy | Not specified. | Not toxic to development | Rat | NOAEL Not available | during gestation |
| White mineral oil (petroleum) | Ingestion | Not toxic to female reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White mineral oil (petroleum) | Ingestion | Not toxic to male reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White mineral oil (petroleum) | Ingestion | Not toxic to development | Rat | NOAEL 4,350 mg/kg/day | during gestation |
| Glycerin | Ingestion | Not toxic to female reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerin | Ingestion | Not toxic to male reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerin | Ingestion | Not toxic to development | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| conditioners | Ingestion | Not toxic to female reproduction | Rat | NOAEL 4,800 mg/kg/day | 13 weeks |
| conditioners | Ingestion | Not toxic to male reproduction | Rat | NOAEL 4,800 mg/kg/day | 13 weeks |
| Triethanolamine | Ingestion | Not toxic to development | Mouse | NOAEL 1,125 mg/kg/day | during organogenesis |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Not toxic to female reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Not toxic to male reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Not toxic to development | Rat | NOAEL 15 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 |
|---|------------|-----------------------------------|--|------------------------|---------------------|-------------------|
| Naphtha (petroleum), hydrotreated heavy | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Distillates (petroleum), hydrotreated light | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Distillates (petroleum), hydrotreated light | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Solvent naphtha (petroleum), heavy aromatic | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |

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|---|------------|------------------------|--|------------------------|---------------------|--|
| Solvent naphtha (petroleum), heavy aromatic | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Professional judgement | NOAEL Not available | |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|-------------------------------|------------|---|--|-------------------------|------------------------|-----------------------|
| Aluminium Oxide (non-fibrous) | Inhalation | pneumoconiosis pulmonary fibrosis | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| White mineral oil (petroleum) | Ingestion | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,381 mg/kg/day | 90 days |
| White mineral oil (petroleum) | Ingestion | liver immune system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,336 mg/kg/day | 90 days |
| Glycerin | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 3.91 mg/l | 14 days |
| Glycerin | Inhalation | heart liver kidney and/or bladder | All data are negative | Rat | NOAEL 3.91 mg/l | 14 days |
| Glycerin | Ingestion | endocrine system hematopoietic system liver kidney and/or bladder | All data are negative | Rat | NOAEL 10,000 mg/kg/day | 2 years |
| conditioners | Ingestion | heart hematopoietic system liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 4,800 mg/kg/day | 13 weeks |
| conditioners | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL 13,000 mg/kg/day | 13 weeks |
| Triethanolamine | Dermal | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 2,000 mg/kg/day | 2 years |
| Triethanolamine | Dermal | liver | Some positive data exist, but the data are not sufficient for classification | 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 | Some positive data exist, but the data are not sufficient for classification | Guinea pig | NOAEL 1,600 mg/kg/day | 24 weeks |

Aspiration Hazard

| Name | Value |
|---|-------------------|
| Naphtha (petroleum), hydrotreated heavy | Aspiration hazard |
| Distillates (petroleum), hydrotreated light | Aspiration hazard |
| White mineral oil (petroleum) | Aspiration hazard |
| Solvent naphtha (petroleum), heavy aromatic | 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,

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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 Nbr | Organism | Type | Exposure | Test endpoint | Test result |
|---|--------------|---------------|--------------|----------|---------------|--------------|
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Diatom | Experimental | 72 hours | EC50 | 0.021 mg/l |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Water flea | Experimental | 48 hours | EC50 | 0.18 mg/l |
| conditioners | Trade Secret | Zebra Fish | Experimental | 96 hours | LC50 | >10,000 mg/l |
| Glycerin | 56-81-5 | Water flea | Experimental | 24 hours | EC50 | >100 mg/l |
| Glycerin | 56-81-5 | Golden Orfe | Experimental | 48 hours | LC50 | >100 mg/l |
| Solvent naphtha (petroleum), heavy aromatic | 64742-94-5 | Green Algae | Experimental | 96 hours | IC50 | 4.2 mg/l |
| Solvent naphtha (petroleum), heavy aromatic | 64742-94-5 | Rainbow trout | Experimental | 96 hours | LC50 | 2.34 mg/l |
| Solvent naphtha (petroleum), heavy aromatic | 64742-94-5 | Water flea | Experimental | 48 hours | EC50 | 0.95 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 | Fish | Experimental | 96 hours | LC50 | >100 mg/l |
| Aluminium Oxide (non-fibrous) | 1344-28-1 | Water flea | Experimental | 48 hours | EC50 | >100 mg/l |
| Sorbitan monooleate, ethoxylated | 9005-65-6 | Rainbow trout | Experimental | 96 hours | LC50 | 90 mg/l |
| Triethanolamine | 102-71-6 | Green algae | Experimental | 72 hours | EC50 | 216 mg/l |
| Triethanolamine | 102-71-6 | Water flea | Experimental | 48 hours | EC50 | 609.98 mg/l |

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| | | | | | | |
|---|------------|----------------|---|----------|------------------|-------------|
| Triethanolamine | 102-71-6 | Fathead minnow | Experimental | 96 hours | LC50 | 11,800 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Bluegill | Experimental | 96 hours | Lethal Level 50% | >100 mg/l |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Diatom | Experimental | 72 hours | NOEC | 0.01 mg/l |
| Aluminium Oxide (non-fibrous) | 1344-28-1 | Green algae | Experimental | 72 hours | NOEC | >100 mg/l |
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | Water flea | Unknown | 21 days | NOEC | <1 mg/l |
| Triethanolamine | 102-71-6 | Water flea | Experimental | 21 days | NOEC | 16 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Water flea | Experimental | 21 days | NOEC | >100 mg/l |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | | Data not available or insufficient for classification | | | |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|------------|---|----------|------------------|---------------|---------------|
| Sorbitan monooleate, ethoxylated | 9005-65-6 | Experimental Biodegradation | 5 days | BOD | 70 % weight | Other methods |
| Aluminium Oxide (non-fibrous) | 1344-28-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Non hazardous ingredients | Mixture | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | Unknown Biodegradation | 28 days | Percent degraded | 31.3 % weight | Other methods |
| White mineral | 8042-47-5 | Experimental | 28 days | CO2 evolution | 0 % weight | OECD 301B - |

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| | | | | | | |
|---|--------------|---|---------|--------------------------------|------------------|--------------------------------|
| oil (petroleum) | | Biodegradation | | | | Modified sturm or CO2 |
| Solvent naphtha (petroleum), heavy aromatic | 64742-94-5 | Estimated Photolysis | | Photolytic half-life (in air) | 2.1 days (t 1/2) | Other methods |
| Solvent naphtha (petroleum), heavy aromatic | 64742-94-5 | Experimental Biodegradation | 28 days | BOD | 39 % weight | OECD 301D - Closed bottle test |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Triethanolamine | 102-71-6 | Experimental Biodegradation | 19 days | Dissolv. Organic Carbon Deplet | 96 % weight | OECD 301E - Modified OECD Scre |
| Glycerin | 56-81-5 | Experimental Biodegradation | 14 days | BOD | 63 % weight | OECD 301C - MITI test (I) |
| conditioners | Trade Secret | Experimental Biodegradation | 28 days | BOD | 64 % weight | OECD 301D - Closed bottle test |

12.3 : Bioaccumulative potential

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|------------|---|----------|------------|-------------|---------------|
| Sorbitan monooleate, ethoxylated | 9005-65-6 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Aluminium Oxide (non-fibrous) | 1344-28-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Non hazardous ingredients | Mixture | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| White mineral oil (petroleum) | 8042-47-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Solvent naphtha (petroleum), | 64742-94-5 | Experimental Bioconcentration | | Log Kow | 6.1 | Other methods |

M101, Foam Cut Compound (21-89B): M10132

| | | | | | | |
|---|--------------|---|-----|---------|-------|---------------|
| heavy aromatic | | | | | | |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Triethanolamine | 102-71-6 | Experimental Bioconcentration | | Log Kow | -1 | Other methods |
| Glycerin | 56-81-5 | Experimental Bioconcentration | | Log Kow | -1.76 | Other methods |
| conditioners | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

| Material | CAS Nbr | Ozone Depletion Potential | Global Warming Potential |
|---------------------------|---------|---------------------------|--------------------------|
| non hazardous ingredients | Mixture | 0 | |

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

See Section 11.1 Information on toxicological effects

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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 the manufacturer, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/CE 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

ADR: UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Solvent naphtha (petroleum), heavy aromatic); 9; III; (E); M6

IMDG: UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Solvent naphtha (petroleum), heavy aromatic); 9; III; EmS: F-A, S-F; Marine Pollutant (Solvent naphtha (petroleum), heavy aromatic)

IATA: UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Solvent naphtha (petroleum), heavy aromatic); 9; 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> |
|-------------------|----------------|-------------------------|---|
| Triethanolamine | 102-71-6 | Gr. 3: Not classifiable | International Agency for Research on Cancer |

Global inventory status

Contact manufacturer for more information The components of this product are in compliance with the chemical notification requirements of TSCA.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

| | |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H226 | Flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H331 | Toxic if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| 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:

Revision Changes:

Section 1: Product name information was modified.

Page Heading: Product name information was modified.

Section 01: 1.3. Details of the supplier of the safety data sheet heading information was modified.

Section 3: Composition/ Information of ingredients table information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12: Bioaccumulative potential information information was modified.

Copyright information was modified.

Label: Signal Word information was modified.

Label: CLP Classification information was modified.

Label: CLP Classification information was modified.

Label: CLP Percent Unknown information was modified.

Label: CLP Precautionary - Prevention information was modified.

CLP: Ingredient table information was modified.

Contains statement for sensitizers information was modified.

Section 8: Occupational exposure limit table information was modified.

OEL Reg Agency Desc information was modified.

Section 3: Reference to section 15 for Nota info information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Additional Health Effects heading information was modified.
Section 11: Skin Sensitization Table information was modified.
Photosensitisation Table information was modified.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 11: Target Organs - Single Table information was modified.
Section 11: Health Effects - Eye information information was modified.
Section 11: Health Effects - Skin information information was modified.
Section 11: Health Effects - Inhalation information information was modified.
Section 11: Health Effects - Ingestion information information was modified.
Section 5: Fire - Advice for fire fighters information information was modified.
Section 6: Accidental release personal information information was modified.
Section 7: Precautions safe handling information information was modified.
Section 7: Conditions safe storage information was modified.
Section 4: First aid for eye contact information information was modified.
Section 4: First aid for skin contact information information was modified.
Section 11: Single exposure may cause target organ effects heading information was modified.
Section 8: Eye protection information information was added.
Section 12: Other adverse effects table ODP column header information was added.
Section 12: Other adverse effects table GWP column header information was added.
Section 12: Other Adverse effects heading information was added.
Section 12: Other adverse effects table Material column header information was added.
Section 12: Other adverse effects table CAS No column header information was added.
Label: CLP Percent Unknown information was added.
Label: CLP Percent Unknown information was added.
Section 8: Occupational exposure limit table information was added.
Section 12: No PBT/vPvB information available warning information was added.
Section 12: Classification Warning information was added.
Section 11: Classification disclaimer information was added.
Section 11: Aspiration Hazard table - Name heading information was added.
Section 11: Aspiration Hazard table - Value heading information was added.
Section 11: Respiratory Sensitization text information was added.
Section 11: Skin Sensitization table - Name heading information was added.
Section 11: Skin Sensitization table - Species heading information was added.
Section 11: Skin Sensitization table - Value heading information was added.
Section 11: Serious Eye Damage/Irritation table - Name heading information was added.
Section 11: Serious Eye Damage/Irritation table - Species heading information was added.
Section 11: Serious Eye Damage/Irritation table - Value heading information was added.
Section 11: Skin Corrosion/Irritation table - Name heading information was added.
Section 11: Skin Corrosion/Irritation table - Species heading information was added.
Section 11: Skin Corrosion/Irritation table - Value heading information was added.
Section 11: Germ Cell Mutagenicity table - Name heading information was added.
Section 11: Germ Cell Mutagenicity table - Route heading information was added.
Section 11: Germ Cell Mutagenicity table - Value heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Name heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Route heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Target Organ(s) heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Value heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Species heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Test Result heading information was added.

Section 11: Specific Target Organ Toxicity - repeated exposure table - Exposure Duration heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Name heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Route heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Target Organ(s) heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Value heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Species heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Test Result heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Exposure Duration heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Name heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Route heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Value heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Species heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Test Result heading information was added.
Section 11: Reproductive and/or Developmental Effects text information was added.
Section 11: Carcinogenicity table - Name heading information was added.
Section 11: Carcinogenicity table - Route heading information was added.
Section 11: Carcinogenicity table - Species heading information was added.
Section 11: Carcinogenicity table - Value heading information was added.
Section 8: glove data - Material heading information was added.
Section 8: glove data - Thickness heading information was added.
Section 8: glove data - Breakthrough Time heading information was added.
Section 8: glove data value information was added.
Section 03: Reference to H statement explanation in Section 016 information was added.
Section 8: Skin protection - recommended gloves information information was deleted.
Remark (phrase) information was deleted.
Risk phrase information was deleted.
Safety phrase information was deleted.
Section 2: Contains heading information was deleted.
Section 2: Safety phrases heading information was deleted.
Section 16: List of relevant R-phrases information was deleted.
Section 2: Indication of danger heading information was deleted.
Section 16: List of relevant R phrase information information was deleted.
Section 2: Risk phrases heading information was deleted.
Section 2: Indication of danger information information was deleted.
Section 2: Label ingredient information information was deleted.
Section 2: Notes on labelling heading information was deleted.
Section 2: Label remarks information was deleted.
Prints No Data if Adverse effects information is not present information was deleted.
Label: CLP Precautionary - Response information was deleted.
Label: CLP Precautionary - Response - Header information was deleted.
Section 11: Classification disclaimer information was deleted.
Section 11: Exposure Duration table heading information was deleted.
Section 11: Test Result table heading information was deleted.
Section 3: Reference to R and H statement explanation in Section 16 information was deleted.
Section 12: Classification Warning information was deleted.
Section 12: PBT/vPvB table CAS No. column heading information was deleted.
Section 12: PBT/vPvB table CAS No. column heading information was deleted.
Section 12: PBT/vPvB table PBT/vPvB Status column heading information was deleted.
Section 12: PBT/vPvB table row information was deleted.
Section 2: 2.2 & 2.3. DSD/DPD heading information was deleted.
Section 8: Personal Protection - Eye information information was deleted.
Section 2: R phrase reference information was deleted.
Label: Graphic information was deleted.
Label: Graphic information was deleted.
Label: Graphic Text information was deleted.

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