# Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006) as amended by Regulation (EU) 2020/878

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

### 1.1. Product identifier

3M™ Perfect-It™ Gelcoat Compound + Polish, 30343, 30344, 30345, 30346, 30347

**Product Identification Numbers**

60-4551-1142-1

7100237607

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

**Identified uses**

Marine

### 1.3. Details of the supplier of the safety data sheet

**Address:** 3M Ireland Limited, 70 SIR JOHN ROGERSON'S QUAY, D02R296 DUBLIN 2
**Telephone:** +353 1 280 3555
**E Mail:** ner-productstewardship@mmm.com
**Website:** www.3M.com

### 1.4. Emergency telephone number

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

**CLP REGULATION (EC) No 1272/2008**

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.
Aspiration hazard classification does not apply due to the kinematic viscosity of the product.

**CLASSIFICATION:**

Skin Sensitization, Category 1 - Skin Sens. 1; H317
Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

**2.2. Label elements**
**CLP REGULATION (EC) No 1272/2008**

**SIGNAL WORD**
WARNING.

**Symbols**
GHS07 (Exclamation mark) |

**Pictograms**



**Ingredients:**

| Ingredient | CAS Nbr | EC No. | % by Wt |
|---|---|---|---|
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | 220-239-6 | < 0.009 |
| octhilinone (ISO) | 26530-20-1 | 247-761-7 | < 0.007 |

**HAZARD STATEMENTS:**

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |
| H412 | Harmful to aquatic life with long lasting effects. |

**PRECAUTIONARY STATEMENTS**

**Prevention:**

| | |
|---|---|
| P280E | Wear protective gloves. |

**Response:**

| | |
|---|---|
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |

Contains 5% of components with unknown hazards to the aquatic environment.

**Information required per Regulation (EU) No 528/2012 on Biocidal Products:**
Contains a biocidal product (Film preservative): 2-octyl-isothiazol-3(2H)-one

**2.3. Other hazards**

None known.
This material does not contain any substances that are assessed to be a PBT or vPvB

## SECTION 3: Composition/information on ingredients

**3.1. Substances**
Not applicable

### 3.2. Mixtures

| Ingredient | Identifier(s) | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Water | (CAS-No.) 7732-18-5<br>(EC-No.) 231-791-2 | 30 - 60 | Substance not classified as hazardous |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | (EC-No.) 926-141-6 | 10 - 30 | Asp. Tox. 1, H304<br>EUH066 |
| Aluminium oxide | (CAS-No.) 1344-28-1<br>(EC-No.) 215-691-6<br>(REACH-No.) 01-2119529248-35 | 10 - 30 | Substance with a national occupational exposure limit |
| Polyethylene-polypropylene glycol | (CAS-No.) 9003-11-6 | 3 - 7 | Substance not classified as hazardous |
| Polyethylene Glycol Sorbitan Monooleate | (CAS-No.) 9005-65-6 | 3 - 7 | Substance not classified as hazardous |
| White mineral oil (petroleum) | (CAS-No.) 8042-47-5<br>(EC-No.) 232-455-8 | 1 - 5 | Asp. Tox. 1, H304 |
| Glycerin | (CAS-No.) 56-81-5<br>(EC-No.) 200-289-5 | 0.5 - 1.5 | Substance with a national occupational exposure limit |
| 2,2'-iminodiethanol | (CAS-No.) 111-42-2<br>(EC-No.) 203-868-0 | <= 0.25 | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT RE 2, H373<br>Repr. 2, H361df<br>Aquatic Chronic 3, H412 |
| 2-methylisothiazol-3(2H)-one | (CAS-No.) 2682-20-4<br>(EC-No.) 220-239-6 | < 0.009 | Acute Tox. 2, H330<br>EUH071<br>Acute Tox. 3, H311<br>Acute Tox. 3, H301<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400,M=10<br>Aquatic Chronic 1, H410,M=1 |
| octhilinone (ISO) | (CAS-No.) 26530-20-1<br>(EC-No.) 247-761-7 | < 0.007 | Acute Tox. 2, H330(LC50 = 0.27 mg/l ATE values per Annex VI )<br>EUH071<br>Acute Tox. 3, H311(LD50 = 311 mg/kg ATE values per Annex VI )<br>Acute Tox. 3, H301(LD50 = 125 mg/kg ATE values per Annex VI )<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400,M=100 |

| | | | |
|---|---|---|---|
| | | | Aquatic Chronic 1, H410,M=100 |

Any entry in the Identifier(s) 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

**Specific Concentration Limits**

| Ingredient | Identifier(s) | Specific Concentration Limits |
|---|---|---|
| 2-methylisothiazol-3(2H)-one | (CAS-No.) 2682-20-4<br>(EC-No.) 220-239-6 | (C >= 0.0015%) Skin Sens. 1A, H317 |
| octhilinone (ISO) | (CAS-No.) 26530-20-1<br>(EC-No.) 247-761-7 | (C >= 0.0015%) Skin Sens. 1A, H317 |

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**
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**
The most important symptoms and effects based on the CLP classification include:
Allergic skin reaction (redness, swelling, blistering, and itching).

**4.3. Indication of any immediate medical attention and special treatment required**
Not applicable

## SECTION 5: Fire-fighting measures

**5.1. Extinguishing media**
Use a fire fighting agent suitable for the surrounding fire.

**5.2. Special hazards arising from the substance or mixture**
None inherent in this product.

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Carbon monoxide | During combustion. |
| Carbon dioxide. | 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**
Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. 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.

**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 an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. 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**
Keep out of reach of children. Do not handle until all safety precautions have been read and understood. 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. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Use personal protective equipment (eg. gloves, respirators…) as required.

**7.2. Conditions for safe storage including any incompatibilities**
No special storage requirements.

**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 |
|---|---|---|---|---|
| 2,2'-iminodiethanol | 111-42-2 | Ireland OELs | TWA(inhalable fraction and vapor)(8 hours):1 mg/m3(0.2 ppm) | |
| Aluminium oxide | 1344-28-1 | Ireland OELs | TWA(Total inhalable dust)(8 hours):10 mg/m3;TWA(as respirable dust)(8 hours):4 mg/m3 | |
| Dusts non-specific | 56-81-5 | Ireland OELs | TWA(Total inhalable dust)(8 hours):10 mg/m3;TWA(as respirable dust)(8 hours):4 mg/m3 | |
| Mineral oil Pure, Highly & Severely Refined | 8042-47-5 | Ireland OELs | TWA(inhalable fraction)(8 hours):5 mg/m3 | |

Ireland OELs : Ireland. OELs
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

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

**Recommended monitoring procedures:**Information on recommended monitoring procedures can be obtained from Indust. Inspect./Ministry (IE)

**8.2. Exposure controls**

**8.2.1. Engineering controls**
No engineering controls required.

**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. 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 |

*Applicable Norms/Standards*
Use gloves tested to EN 374

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

**Respiratory protection**

None required.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | Liquid. |
| **Colour** | White |
| **Odor** | Slight Solvent |
| **Odour threshold** | *No data available.* |
| **Melting point/freezing point** | *No data available.* |
| **Boiling point/boiling range** | *No data available.* |
| **Flammability** | Not applicable. |
| **Flammable Limits(LEL)** | *No data available.* |
| **Flammable Limits(UEL)** | *No data available.* |
| **Flash point** | No flash point |
| **Autoignition temperature** | *No data available.* |
| **Decomposition temperature** | *No data available.* |
| **pH** | 7.5 - 9 |
| **Kinematic Viscosity** | 32,407 mm²/sec |
| **Water solubility** | *No data available.* |
| **Solubility- non-water** | *No data available.* |
| **Partition coefficient: n-octanol/water** | *No data available.* |
| **Vapour pressure** | *No data available.* |
| **Density** | 1.1 - 1.1 kg/l |
| **Relative density** | 1.05 - 1.1 [*Ref Std:*WATER=1] |
| **Relative Vapour Density** | *No data available.* |
| **Particle Characteristics** | *Not applicable.* |

**9.2. Other information**

**9.2.2 Other safety characteristics**

| | |
|---|---|
| **Average particle size** | *No data available.* |
| **Bulk density** | *No data available.* |
| **EU Volatile Organic Compounds** | 157 g/l |
| **Evaporation rate** | *No data available.* |
| **Molecular weight** | *No data available.* |
| **Percent volatile** | *No data available.* |
| **Softening point** | *No data available.* |

* The values noted with an asterisk (*) in the above table are representative values based on testing of raw materials and selected products. Additionally, a material's characteristics may change depending upon the process and conditions of use at a facility, including further changes in particle size, or mixture with other materials. In order to obtain specific data for the material, we recommend the user conduct characterisation testing based on the use factors at the specific facility.

## 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**
None known.

**10.5 Incompatible materials**
None known.

No data available.

**10.6 Hazardous decomposition products**

| Substance | Condition |
|---|---|
| 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 internal hazard assessments.**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Signs and Symptoms of Exposure**

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

**Inhalation**
No known health effects.

**Skin contact**
Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. May cause additional 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:**

**Reproductive/Developmental Toxicity:**
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**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 | 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 | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Aluminium oxide | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 2.3 mg/l |
| Aluminium oxide | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Ingestion | Rat | LD50 > 15,000 mg/kg |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Dermal | similar compounds | LD50 > 5,000 mg/kg |
| Polyethylene Glycol Sorbitan Monooleate | Dermal | Not available | LD50 > 5,000 mg/kg |
| Polyethylene Glycol Sorbitan Monooleate | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.1 mg/l |
| Polyethylene Glycol Sorbitan Monooleate | Ingestion | Rat | LD50 20,000 mg/kg |
| Polyethylene-polypropylene glycol | Dermal | similar compounds | LD50 > 2,000 mg/kg |
| Polyethylene-polypropylene glycol | Ingestion | similar compounds | 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 |
| Glycerin | Dermal | Rabbit | LD50 estimated to be > 5,000 mg/kg |
| Glycerin | Ingestion | Rat | LD50 > 5,000 mg/kg |
| 2,2'-iminodiethanol | Dermal | Rabbit | LD50 8,180 mg/kg |
| 2,2'-iminodiethanol | Ingestion | Rat | LD50 1,410 mg/kg |
| 2-methylisothiazol-3(2H)-one | Dermal | Rat | LD50 242 mg/kg |
| 2-methylisothiazol-3(2H)-one | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.11 mg/l |
| 2-methylisothiazol-3(2H)-one | Ingestion | Rat | LD50 120 mg/kg |
| octhilinone (ISO) | Dermal | Rabbit | LD50 311 mg/kg |
| octhilinone (ISO) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.27 mg/l |
| octhilinone (ISO) | Ingestion | Rat | LD50 125 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Aluminium oxide | Rabbit | No significant irritation |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | similar compounds | Mild irritant |
| Polyethylene Glycol Sorbitan Monooleate | Rabbit | No significant irritation |
| Polyethylene-polypropylene glycol | similar compounds | No significant irritation |
| White mineral oil (petroleum) | Rabbit | No significant irritation |
| Glycerin | Rabbit | No significant irritation |

| | | |
|---|---|---|
| 2,2'-iminodiethanol | Rabbit | Irritant |
| 2-methylisothiazol-3(2H)-one | Rabbit | Corrosive |
| octhilinone (ISO) | Rabbit | Corrosive |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Aluminium oxide | Rabbit | No significant irritation |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | similar compounds | No significant irritation |
| Polyethylene Glycol Sorbitan Monooleate | Rabbit | No significant irritation |
| Polyethylene-polypropylene glycol | similar compounds | No significant irritation |
| White mineral oil (petroleum) | Rabbit | Mild irritant |
| Glycerin | Rabbit | No significant irritation |
| 2,2'-iminodiethanol | Rabbit | Corrosive |
| 2-methylisothiazol-3(2H)-one | Rabbit | Corrosive |
| octhilinone (ISO) | similar health hazards | Corrosive |

**Skin Sensitisation**

| Name | Species | Value |
|---|---|---|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | similar compounds | Not classified |
| Polyethylene Glycol Sorbitan Monooleate | Guinea pig | Not classified |
| Polyethylene-polypropylene glycol | Guinea pig | Not classified |
| White mineral oil (petroleum) | Guinea pig | Not classified |
| Glycerin | Guinea pig | Not classified |
| 2,2'-iminodiethanol | Human and animal | Not classified |
| 2-methylisothiazol-3(2H)-one | Human and animal | Sensitising |
| octhilinone (ISO) | Human and animal | Sensitising |

**Photosensitisation**

| Name | Species | Value |
|---|---|---|
| 2-methylisothiazol-3(2H)-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 | In Vitro | Not mutagenic |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | In Vitro | Not mutagenic |
| Polyethylene Glycol Sorbitan Monooleate | In Vitro | Not mutagenic |

| | | |
|---|---|---|
| Polyethylene-polypropylene glycol | In Vitro | Not mutagenic |
| White mineral oil (petroleum) | In Vitro | Not mutagenic |
| 2,2'-iminodiethanol | In Vitro | Not mutagenic |
| 2-methylisothiazol-3(2H)-one | In vivo | Not mutagenic |
| 2-methylisothiazol-3(2H)-one | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| octhilinone (ISO) | In Vitro | Not mutagenic |
| octhilinone (ISO) | In vivo | Not mutagenic |

## Carcinogenicity

| Name | Route | Species | Value |
|---|---|---|---|
| Aluminium oxide | Inhalation | Rat | Not carcinogenic |
| Polyethylene Glycol Sorbitan Monooleate | Ingestion | Rat | 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 |
| Glycerin | Ingestion | Mouse | Some positive data exist, but the data are not sufficient for classification |
| 2,2'-iminodiethanol | Dermal | Mouse | Carcinogenic. |
| 2-methylisothiazol-3(2H)-one | Dermal | Mouse | Not carcinogenic |
| 2-methylisothiazol-3(2H)-one | Ingestion | Rat | Not carcinogenic |

## Reproductive Toxicity

## Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| Polyethylene Glycol Sorbitan Monooleate | Ingestion | Not classified for female reproduction | Rat | NOAEL 6,666 mg/kg/day | 3 generation |
| Polyethylene Glycol Sorbitan Monooleate | Ingestion | Not classified for male reproduction | Rat | NOAEL 6,666 mg/kg/day | 3 generation |
| Polyethylene Glycol Sorbitan Monooleate | Ingestion | Not classified for development | Rat | NOAEL 5,000 mg/kg/day | during organogenesis |
| 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 |
| 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 |
| 2,2'-iminodiethanol | Ingestion | Not classified for male reproduction | Rat | NOAEL 128 mg/kg/day | 1 generation |
| 2,2'-iminodiethanol | Dermal | Not classified for development | Rabbit | NOAEL 100 mg/kg/day | during organogenesis |
| 2,2'-iminodiethanol | Inhalation | Not classified for development | Rat | NOAEL 0.05 mg/l | during organogenesis |
| 2,2'-iminodiethanol | Ingestion | Toxic to female reproduction | Rat | NOAEL 38 mg/kg/day | 1 generation |
| 2,2'-iminodiethanol | Ingestion | Toxic to development | Rat | NOAEL 38 mg/kg/day | 1 generation |

| | | | | | |
|---|---|---|---|---|---|
| 2-methylisothiazol-3(2H)-one | Ingestion | Not classified for female reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| 2-methylisothiazol-3(2H)-one | Ingestion | Not classified for male reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| 2-methylisothiazol-3(2H)-one | Ingestion | Not classified for development | Rat | NOAEL 15 mg/kg/day | during organogenesis |
| octhilinone (ISO) | Ingestion | Not classified for development | Rabbit | NOEL 20 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 |
|---|---|---|---|---|---|---|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| 2,2'-iminodiethanol | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL not available | |
| 2,2'-iminodiethanol | Ingestion | kidney and/or bladder | May cause damage to organs | Rat | NOAEL 200 mg/kg | |
| 2,2'-iminodiethanol | Ingestion | central nervous system depression | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 200 mg/kg | not applicable |
| 2,2'-iminodiethanol | Ingestion | liver | Not classified | Rat | NOAEL 1,600 mg/kg | not applicable |
| 2-methylisothiazol-3(2H)-one | Inhalation | respiratory irritation | May cause respiratory irritation | similar health hazards | NOAEL Not available | |
| octhilinone (ISO) | Inhalation | respiratory irritation | May cause respiratory irritation | Rat | NOAEL Not available | |

### Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Aluminium oxide | Inhalation | pneumoconiosis | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| Aluminium oxide | Inhalation | pulmonary fibrosis | Not classified | Human | NOAEL Not available | occupational exposure |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Inhalation | liver | Not classified | Rat | NOAEL 6 mg/l | 13 weeks |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Inhalation | kidney and/or bladder | Not classified | Rat | LOAEL 1.5 mg/l | 13 weeks |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 6 mg/l | 13 weeks |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Ingestion | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 13 weeks |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Ingestion | kidney and/or bladder | Not classified | Rat | LOAEL 100 mg/kg/day | 13 weeks |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Ingestion | hematopoietic system \| eyes | Not classified | Rat | NOAEL 1,000 mg/kg/day | 13 weeks |
| Polyethylene Glycol Sorbitan Monooleate | Ingestion | heart \| endocrine system \| gastrointestinal tract \| bone, teeth, nails, and/or hair \| hematopoietic system \| liver \| | Not classified | Rat | NOAEL 4,132 mg/kg/day | 90 days |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | immune system \| nervous system \| kidney and/or bladder \| respiratory system | | | | |
| 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 |
| 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 |
| 2,2'-iminodiethanol | Dermal | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 63 mg/kg/day | 13 weeks |
| 2,2'-iminodiethanol | Dermal | liver \| nervous system \| kidney and/or bladder | Not classified | Rat | NOAEL 500 mg/kg/day | 13 weeks |
| 2,2'-iminodiethanol | Dermal | skin | Not classified | Rat | NOAEL 250 mg/kg/day | 13 weeks |
| 2,2'-iminodiethanol | Dermal | heart \| endocrine system \| gastrointestinal tract \| bone, teeth, nails, and/or hair \| immune system \| muscles \| eyes \| respiratory system \| vascular system | Not classified | Rat | NOAEL 500 mg/kg/day | 13 weeks |
| 2,2'-iminodiethanol | Inhalation | hematopoietic system \| liver \| kidney and/or bladder | Not classified | Rat | NOAEL 0.41 mg/l | 13 weeks |
| 2,2'-iminodiethanol | Inhalation | respiratory system | Not classified | Rat | LOAEL 0.015 mg/l | 13 weeks |
| 2,2'-iminodiethanol | Inhalation | heart \| skin \| endocrine system \| gastrointestinal tract \| bone, teeth, nails, and/or hair \| immune system \| muscles \| nervous system \| eyes \| vascular system | Not classified | Rat | NOAEL 0.41 mg/l | 13 weeks |
| 2,2'-iminodiethanol | Ingestion | hematopoietic system | May cause damage to organs though prolonged or repeated exposure | Rat | NOAEL 15 mg/kg/day | 13 weeks |
| 2,2'-iminodiethanol | Ingestion | nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 57 mg/kg/day | 13 weeks |
| 2,2'-iminodiethanol | Ingestion | endocrine system \| liver \| kidney and/or bladder \| heart \| skin \| gastrointestinal tract \| bone, teeth, nails, and/or hair \| immune system \| muscles \| eyes \| respiratory system \| vascular system | Not classified | Rat | NOAEL 240 mg/kg/day | 13 weeks |

**Aspiration Hazard**

| Name | Value |
|---|---|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 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.**

**11.2. Information on other hazards**

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

## 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 | 1344-28-1 | Fish | Experimental | 96 hours | LC50 | >100 mg/l |
| Aluminium oxide | 1344-28-1 | Green algae | Experimental | 72 hours | EC50 | >100 mg/l |
| Aluminium oxide | 1344-28-1 | Water flea | Experimental | 48 hours | LC50 | >100 mg/l |
| Aluminium oxide | 1344-28-1 | Green algae | Experimental | 72 hours | NOEC | >100 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Green algae | Experimental | 72 hours | EL50 | >1,000 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Rainbow trout | Experimental | 96 hours | LL50 | >1,000 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Water flea | Experimental | 48 hours | EL50 | >1,000 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Green algae | Experimental | 72 hours | NOEL | 1,000 mg/l |
| Polyethylene Glycol Sorbitan Monooleate | 9005-65-6 | Green algae | Analogous Compound | 72 hours | EL50 | 58.84 mg/l |
| Polyethylene Glycol Sorbitan Monooleate | 9005-65-6 | Zebra Fish | Analogous Compound | 96 hours | LL50 | >100 mg/l |
| Polyethylene Glycol Sorbitan Monooleate | 9005-65-6 | Green algae | Analogous Compound | 72 hours | EL10 | 19.05 mg/l |
| Polyethylene Glycol Sorbitan Monooleate | 9005-65-6 | Water flea | Analogous Compound | 21 days | NOEL | 10 mg/l |
| Polyethylene-polypropylene glycol | 9003-11-6 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| White mineral oil (petroleum) | 8042-47-5 | Water flea | Analogous Compound | 48 hours | EL50 | >100 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| White mineral oil (petroleum) | 8042-47-5 | Bluegill | Experimental | 96 hours | LL50 | >100 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Green algae | Analogous Compound | 72 hours | NOEL | 100 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Water flea | Analogous Compound | 21 days | NOEL | >100 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 |
| Glycerin | 56-81-5 | Bacteria | Experimental | 16 hours | NOEC | 10,000 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Brine shrimp | Experimental | 24 hours | EC50 | 2,800 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Diatom | Experimental | 72 hours | EC50 | 86.96 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Green algae | Experimental | 72 hours | ErC50 | 9.5 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Rainbow trout | Experimental | 96 hours | LC50 | 460 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Sheepshead Minnow | Experimental | 96 hours | LC50 | >589 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Water flea | Experimental | 48 hours | EC50 | 30.1 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Diatom | Experimental | 72 hours | NOEC | <16 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Green algae | Experimental | 72 hours | ErC10 | 1.4 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Water flea | Experimental | 21 days | NOEC | 0.78 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Activated sludge | Experimental | 30 minutes | EC10 | >1,000 mg/l |
| 2,2'-iminodiethanol | 111-42-2 | Plant | Experimental | 21 days | EC50 | 1,632 mg/kg (Dry Weight) |
| 2,2'-iminodiethanol | 111-42-2 | Redworm | Experimental | 63 days | EC50 | 776 mg/kg (Dry Weight) |
| 2,2'-iminodiethanol | 111-42-2 | Springtail | Experimental | 28 days | EC50 | 4,205 mg/kg (Dry Weight) |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Diatom | Experimental | 72 hours | ErC50 | 0.099 mg/l |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Green algae | Experimental | 96 hours | ErC50 | 0.23 mg/l |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Mysid Shrimp | Experimental | 96 hours | LC50 | 1.81 mg/l |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Sheepshead Minnow | Experimental | 96 hours | LC50 | 25.1 mg/l |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Water flea | Experimental | 48 hours | LC50 | 0.934 mg/l |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Blackworm | Experimental | 28 days | NOEC | 25 mg/kg (Dry Weight) |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Diatom | Experimental | 72 hours | ErC10 | 0.04 mg/l |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Fathead minnow | Experimental | 33 days | NOEC | 2.1 mg/l |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Green algae | Experimental | 96 hours | NOEC | 0.12 mg/l |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Water flea | Experimental | 21 days | NOEC | 0.044 mg/l |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Activated sludge | Experimental | 3 hours | EC50 | 41 mg/l |
| octhilinone (ISO) | 26530-20-1 | Diatom | Experimental | 72 hours | EC50 | 0.0015 mg/l |
| octhilinone (ISO) | 26530-20-1 | Green algae | Experimental | 72 hours | EC50 | 0.084 mg/l |
| octhilinone (ISO) | 26530-20-1 | Mysid Shrimp | Experimental | 96 hours | LC50 | 0.071 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| octhilinone (ISO) | 26530-20-1 | Rainbow trout | Experimental | 96 hours | LC50 | 0.036 mg/l |
| octhilinone (ISO) | 26530-20-1 | Sheepshead Minnow | Experimental | 96 hours | LC50 | 0.18 mg/l |
| octhilinone (ISO) | 26530-20-1 | Water flea | Experimental | 48 hours | EC50 | 0.42 mg/l |
| octhilinone (ISO) | 26530-20-1 | Diatom | Experimental | 72 hours | NOEC | 0.00068 mg/l |
| octhilinone (ISO) | 26530-20-1 | Green algae | Experimental | 72 hours | NOEC | 0.0156 mg/l |
| octhilinone (ISO) | 26530-20-1 | Water flea | Experimental | 21 days | NOEC | 0.0016 mg/l |
| octhilinone (ISO) | 26530-20-1 | Activated sludge | Experimental | 3 hours | EC50 | 30.4 mg/l |
| octhilinone (ISO) | 26530-20-1 | Bobwhite quail | Experimental | 14 days | LD50 | 384 ppm diet |
| octhilinone (ISO) | 26530-20-1 | Lettuce | Experimental | 17 days | EC50 | 45 mg/kg (Dry Weight) |
| octhilinone (ISO) | 26530-20-1 | Redworm | Experimental | 14 days | LC50 | 866 mg/kg (Dry Weight) |
| octhilinone (ISO) | 26530-20-1 | Soil microbes | Experimental | 28 days | EC50 | 84.1 mg/kg (Dry Weight) |

### 12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Aluminium oxide | 1344-28-1 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Experimental Biodegradation | 28 days | BOD | 69 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Polyethylene Glycol Sorbitan Monooleate | 9005-65-6 | Experimental Biodegradation | 28 days | CO2 evolution | 61 %CO2 evolution/THCO2 evolution | ISO 14593 Inorg C Headspace |
| Polyethylene-polypropylene glycol | 9003-11-6 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| White mineral oil (petroleum) | 8042-47-5 | Experimental Biodegradation | 28 days | CO2 evolution | 0 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| Glycerin | 56-81-5 | Experimental Biodegradation | 14 days | BOD | 63 %BOD/ThOD | OECD 301C - MITI test (I) |
| 2,2'-iminodiethanol | 111-42-2 | Experimental Biodegradation | 28 days | BOD | 93 %BOD/ThOD | OECD 301F - Manometric respirometry |
| 2,2'-iminodiethanol | 111-42-2 | Experimental Biodegradation | 9 days | Dissolv. Organic Carbon Deplet | 98 %removal of DOC | OECD 302B Zahn-Wellens/EVPA |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Experimental Biodegradation | 29 days | CO2 evolution | 50 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Experimental Hydrolysis | | Hydrolytic half-life (pH 7) | >1 years (t 1/2) | OECD 111 Hydrolysis func of pH |
| octhilinone (ISO) | 26530-20-1 | Experimental Biodegradation | 28 days | BOD | < 10 %BOD/ThOD | OECD 301D - Closed bottle test |
| octhilinone (ISO) | 26530-20-1 | Experimental Aquatic Inherent Biodegrad. | 59 days | Dissolv. Organic Carbon Deplet | 88 %removal of DOC | OECD 303A - Simulated Aerobic |

### 12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Aluminium oxide | 1344-28-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, | 926-141-6 | Data not available or insufficient for | N/A | N/A | N/A | N/A |

| | | | | | | |
|---|---|---|---|---|---|---|
| cyclics, <2% aromatics | | classification | | | | |
| Polyethylene Glycol Sorbitan Monooleate | 9005-65-6 | Modeled Bioconcentration | | Bioaccumulation factor | 5 | Catalogic™ |
| Polyethylene Glycol Sorbitan Monooleate | 9005-65-6 | Modeled Bioconcentration | | Log Kow | 5.61 | Episuite™ |
| Polyethylene-polypropylene glycol | 9003-11-6 | 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 |
| Glycerin | 56-81-5 | Experimental Bioconcentration | | Log Kow | -1.75 | similar to OECD 107 |
| 2,2'-iminodiethanol | 111-42-2 | Experimental Bioconcentration | | Log Kow | -2.18 | OECD 107 log Kow shke flsk mtd |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Analogous Compound BCF - Fish | 56 days | Bioaccumulation factor | 5.75 | |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Experimental Bioconcentration | | Log Kow | -0.486 | OECD 107 log Kow shke flsk mtd |
| octhilinone (ISO) | 26530-20-1 | Experimental Bioconcentration | | Log Kow | 2.92 | OECD 117 log Kow HPLC method |

### 12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|---|---|---|---|---|---|
| Polyethylene Glycol Sorbitan Monooleate | 9005-65-6 | Modeled Mobility in Soil | Koc | 810 l/kg | Episuite™ |
| Glycerin | 56-81-5 | Modeled Mobility in Soil | Koc | <1 l/kg | Episuite™ |
| 2,2'-iminodiethanol | 111-42-2 | Modeled Mobility in Soil | Koc | <1 l/kg | Episuite™ |
| 2-methylisothiazol-3(2H)-one | 2682-20-4 | Experimental Mobility in Soil | Koc | 6.4-10 l/kg | OECD 106 Adsp-Desb Batch Equil |
| octhilinone (ISO) | 26530-20-1 | Experimental Mobility in Soil | Koc | 604-1297 l/kg | 835.1110 Sludge Sorp Isotherm |

### 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. Endocrine disrupting properties

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

### 12.7. 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.

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 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)**

08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances

## SECTION 14: Transportation information

Not hazardous for transportation.

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|---|---|---|---|
| **14.1 - UN Number or ID number** | No data available. | No data available. | No data available. |
| **14.2 UN proper shipping name** | No data available. | No data available. | No data available. |
| **14.3 Transport hazard class(es)** | No data available. | No data available. | No data available. |
| **14.4 Packing group** | No data available. | No data available. | No data available. |
| **14.5 Environmental hazards** | No data available. | No data available. | No data available. |
| **14.6 Special precautions for user** | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| **14.7 Marine Transport in bulk according to IMO instruments** | No data available. | No data available. | No data available. |
| **Control Temperature** | No data available. | No data available. | No data available. |
| **Emergency Temperature** | No data available. | No data available. | No data available. |
| **ADR Classification Code** | No data available. | No data available. | No data available. |
| **IMDG Segregation Code** | No data available. | No data available. | No data available. |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Carcinogenicity**

| Ingredient | CAS Nbr | Classification | Regulation |
|---|---|---|---|
| 2,2'-iminodiethanol | 111-42-2 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

**Global inventory status**
Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

**DIRECTIVE 2012/18/EU**
Seveso hazard categories, Annex 1, Part 1
None

Seveso named dangerous substances, Annex 1, Part 2
None

**Regulation (EU) No 649/2012**
No chemicals listed

**15.2. Chemical Safety Assessment**
A chemical safety assessment has not been carried out for this substance/mixture 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. |
| EUH071 | Corrosive to the respiratory tract. |
| H301 | Toxic if swallowed. |
| H302 | Harmful 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. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H361df | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

| | |
|---|---|
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

**Revision information:**
EU Section 14 - Table Data information was added.
EU Section 14 - Table Headers information was added.
Section 1: Address information was modified.
Section 1: E-mail address information was modified.
Label: Graphic information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 6: Accidental release personal information information was modified.
Section 8: Occupational exposure limit table information was modified.
Section 08: Personal Protection - Apron Statement information was added.
Section 8: Personal Protection - Skin/body information information was deleted.
Section 8: Skin protection - protective clothing information information was deleted.
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: Mobility in soil information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12:Bioccumulative potential information information was modified.
Section 14 Classification Code – Main Heading information was deleted.
Section 14 Classification Code – Regulation Data information was deleted.
Section 14 Control Temperature – Main Heading information was deleted.
Section 14 Control Temperature – Regulation Data information was deleted.
Section 14 Emergency Temperature – Main Heading information was deleted.
Section 14 Emergency Temperature – Regulation Data information was deleted.
Section 14 Hazard Class + Sub Risk – Main Heading information was deleted.
Section 14 Hazard Class + Sub Risk – Regulation Data information was deleted.
Section 14 Other Dangerous Goods – Main Heading information was deleted.
Section 14 Other Dangerous Goods – Regulation Data information was deleted.
Section 14 Packing Group – Main Heading information was deleted.
Section 14 Packing Group – Regulation Data information was deleted.
Section 14 Proper Shipping Name information was deleted.
Section 14 Regulations – Main Headings information was deleted.
Section 14 Segregation – Regulation Data information was deleted.
Section 14 Segregation Code – Main Heading information was deleted.
Section 14 Special Precautions – Main Heading information was deleted.
Section 14 Special Precautions – Regulation Data information was deleted.
Section 14 Transport in bulk – Regulation Data information was deleted.
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.
Section 14 UN Number Column data information was deleted.
Section 14 UN Number information was deleted.

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 Ireland MSDSs are available at www.3M.com**