# Safety Data Sheet



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|---|---|---|---|
| **Document group:** | 32-7460-2 | **Version number:** | 2.02 |
| **Issue Date:** | 03/03/2024 | **Supersedes date:** | 28/06/2021 |

This Safety Data Sheet has been prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, December 2011)

## SECTION 1: Identification

### 1.1. Product identifier
3M™ Cavilon™ Durable Barrier Cream 3391G

**Product Identification Numbers**
70-2011-8796-3 70-2018-0000-3 GH-6206-0656-2

### 1.2. Recommended use and restrictions on use

**Recommended use**
Topically applied medical barrier cream, Barrier cream for incontinence skin care - skin protectant

For Professional use only.

### 1.3. Supplier's details
**Address:** 3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113
**Telephone:** 136 136
**E Mail:** productinfo.au@mmm.com
**Website:** www.3m.com.au

### 1.4. Emergency telephone number
EMERGENCY: 1800 097 146 (Australia only)

## SECTION 2: Hazard identification

This product is classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011, in accordance with applicable State and Territory legislation.

Refer to Section 14 of this Safety Data Sheets for product Dangerous Goods Classification.

### 2.1. Classification of the substance or mixture
Serious Eye Damage/Irritation: Category 2.

### 2.2. Label elements
The label elements below were prepared in accordance with the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, December 2011). This information may be different from the actual product label.

**Signal word**
Warning

**Symbols**
Exclamation mark |

**Pictograms**

**Hazard statements**

| | |
|---|---|
| H319 | Causes serious eye irritation. |

**Precautionary statements**

**Prevention:**

| | |
|---|---|
| P264 | Wash thoroughly after handling. |

**Response:**

| | |
|---|---|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313 | IF eye irritation persists: Get medical advice/attention. |

**2.3. Other assigned/identified product hazards**
None known.

**2.4. Other hazards which do not result in classification**
None known.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | CAS Nbr | % by Weight |
|---|---|---|
| Water | 7732-18-5 | 40 - 60 |
| Coconut Oil | 8001-31-8 | 5 - 13 |
| Glycerin | 56-81-5 | 3 - 10 |
| Isopropyl Palmitate | 142-91-6 | 3 - 10 |
| Paraffin | 8002-74-2 | 5 - 10 |
| PPG-15 Stearyl Ether | 25231-21-4 | 3 - 10 |
| Poly(dimethylsiloxane) | 63148-62-9 | 0.5 - 5 |
| Ester Diisooctyl Adipate | 108-63-4 | 1 - 5 |
| White mineral oil | 8042-47-5 | 1 - 5 |
| Acrylate Terpolymer | Trade Secret | 1 - 5 |
| Trimethylsiloxysilicate | 68988-56-7 | 0.1 - 3 |
| 2-Phenoxyethanol | 122-99-6 | 0.1 - 2 |
| Magnesium sulfate heptahydrate | 10034-99-8 | 0.1 - 1 |

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

**Inhalation**
No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention.

**Skin contact**
If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye contact**
Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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**
No critical symptoms or effects. 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. Suitable 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 |
|---|---|
| Hydrocarbons. | During combustion. |
| Formaldehyde | During combustion. |
| Carbon monoxide. | During combustion. |
| Carbon dioxide. | During combustion. |
| Oxides of sulphur. | During combustion. |

**5.3. Special protective actions 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 vapors, 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 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 in

accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Avoid eye contact. Do not eat, drink or smoke when using this product. Avoid release to the environment.

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

## 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 |
|---|---|---|---|---|
| Glycerin | 56-81-5 | Australia OELs | TWA(Inspirable dust)(8 hours):10 mg/m3 | |
| Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles | 56-81-5 | ACGIH | TWA(inhalable particulates):10 mg/m3 | |
| Particles (insoluble or poorly soluble) not otherwise specified, respirable particles | 56-81-5 | ACGIH | TWA(respirable particles):3 mg/m3 | |
| Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles | 8001-31-8 | ACGIH | TWA(inhalable particulates):10 mg/m3 | |
| Particles (insoluble or poorly soluble) not otherwise specified, respirable particles | 8001-31-8 | ACGIH | TWA(respirable particles):3 mg/m3 | |
| Vegetable oil mist, total dust. | 8001-31-8 | Australia OELs | TWA(Inspirable dust)(8 hours):10 mg/m3 | |
| Paraffin | 8002-74-2 | ACGIH | TWA(as fume):2 mg/m3 | |
| Paraffin | 8002-74-2 | Australia OELs | TWA(as fume)(8 hours):2 mg/m3 | |
| MINERAL OILS, HIGHLY-REFINED OILS | 8042-47-5 | ACGIH | TWA(inhalable fraction):5 mg/m3 | A4: Not class. as human carcin |
| Paraffin oil | 8042-47-5 | Australia OELs | TWA(as mist)(8 hours):5 mg/m3 | |

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
Australia OELs : Australia. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment
CMRG : Chemical Manufacturer's Recommended Guidelines
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling
Sen: Sensitiser
Sk: Absorption through the skin may be a significant source of exposure.

**8.2. Exposure controls**

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

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

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

Select and use eye protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337.

**Skin/hand protection**
No chemical protective gloves are required.

**Respiratory protection**
None required.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid. |
| **Specific Physical Form:** | Cream |
| **Colour** | White |
| **Odour** | Light Odour |
| **Odour threshold** | *No data available.* |
| **pH** | *No data available.* |
| **Melting point/Freezing point** | *No data available.* |
| **Boiling point/Initial boiling point/Boiling range** | *No data available.* |
| **Flash point** | No flash point |
| **Evaporation rate** | *No data available.* |
| **Flammability (solid, gas)** | Not applicable. |
| **Flammable Limits(LEL)** | *No data available.* |
| **Flammable Limits(UEL)** | *No data available.* |
| **Vapour pressure** | *No data available.* |
| **Vapor Density and/or Relative Vapor Density** | *No data available.* |
| **Density** | 0.99 g/ml |
| **Relative density** | 0.99 [*Ref Std:*WATER=1] |
| **Water solubility** | *No data available.* |
| **Solubility- non-water** | *No data available.* |
| **Partition coefficient: n-octanol/water** | *No data available.* |
| **Autoignition temperature** | *No data available.* |
| **Decomposition temperature** | *No data available.* |
| **Viscosity/Kinematic Viscosity** | 20,000 - 150,000 mPa-s |
| **Volatile organic compounds (VOC)** | *No data available.* |
| **Percent volatile** | *Not applicable.* |
| **VOC less H2O & exempt solvents** | *No data available.* |
| **Molecular weight** | *Not applicable.* |

## 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. Conditions to avoid**
None known.

**10.4. Possibility of hazardous reactions**
Hazardous polymerisation will not occur.

**10.5 Incompatible materials**
None known.

**10.6 Hazardous decomposition products**

| Substance | Condition |
|---|---|
| None known. | |

## SECTION 11: Toxicological information

**The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.**

**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**
No known health effects.

**Skin contact**
No health effects are expected.

**Eye contact**
Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion**
Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

**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 | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Paraffin | Dermal | Rat | LD50 > 5,000 mg/kg |

| | | | |
|---|---|---|---|
| Paraffin | 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 |
| Isopropyl Palmitate | Ingestion | Mouse | LD50 > 5,000 mg/kg |
| Isopropyl Palmitate | Dermal | Professional judgement | LD50 estimated to be > 5,000 mg/kg |
| Ester Diisooctyl Adipate | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Ester Diisooctyl Adipate | Ingestion | | LD50 estimated to be > 5,000 mg/kg |
| Poly(dimethylsiloxane) | Dermal | Rabbit | LD50 > 19,400 mg/kg |
| White mineral oil | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Poly(dimethylsiloxane) | Ingestion | Rat | LD50 > 17,000 mg/kg |
| White mineral oil | Ingestion | Rat | LD50 > 5,000 mg/kg |
| 2-Phenoxyethanol | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| 2-Phenoxyethanol | Inhalation-Dust/Mist | Rat | LC50 > 1.5 mg/l |
| 2-Phenoxyethanol | Ingestion | Rat | LD50 1,394 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Paraffin | Rabbit | No significant irritation |
| Glycerin | Rabbit | No significant irritation |
| Isopropyl Palmitate | Rabbit | Minimal irritation |
| Ester Diisooctyl Adipate | Professional judgement | Minimal irritation |
| Poly(dimethylsiloxane) | Rabbit | No significant irritation |
| White mineral oil | Rabbit | No significant irritation |
| 2-Phenoxyethanol | Rabbit | No significant irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Paraffin | Rabbit | No significant irritation |
| Glycerin | Rabbit | No significant irritation |
| Isopropyl Palmitate | Rabbit | No significant irritation |
| Ester Diisooctyl Adipate | Professional judgement | Mild irritant |
| Poly(dimethylsiloxane) | Rabbit | No significant irritation |
| White mineral oil | Rabbit | Mild irritant |
| 2-Phenoxyethanol | Rabbit | Corrosive |

**Skin Sensitisation**

| Name | Species | Value |
|---|---|---|
| Paraffin | Guinea pig | Not classified |
| Glycerin | Guinea pig | Not classified |
| White mineral oil | Guinea pig | Not classified |
| 2-Phenoxyethanol | Guinea pig | Not classified |

**Respiratory Sensitisation**

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

**Germ Cell Mutagenicity**

| Name | Route | Value |
|---|---|---|
| Paraffin | In Vitro | Not mutagenic |
| White mineral oil | In Vitro | Not mutagenic |
| 2-Phenoxyethanol | In Vitro | Not mutagenic |
| 2-Phenoxyethanol | In vivo | Not mutagenic |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Paraffin | Ingestion | Rat | Not carcinogenic |
| Glycerin | Ingestion | Mouse | Some positive data exist, but the data are not sufficient for classification |
| White mineral oil | Dermal | Mouse | Not carcinogenic |
| White mineral oil | Inhalation | Multiple animal species | Not carcinogenic |
| 2-Phenoxyethanol | Ingestion | Multiple animal species | Not carcinogenic |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| 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 |
| White mineral oil | Ingestion | Not classified for female reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White mineral oil | Ingestion | Not classified for male reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White mineral oil | Ingestion | Not classified for development | Rat | NOAEL 4,350 mg/kg/day | during gestation |
| 2-Phenoxyethanol | Ingestion | Not classified for female reproduction | Mouse | NOAEL 3,700 mg/kg/day | 2 generation |
| 2-Phenoxyethanol | Ingestion | Not classified for male reproduction | Mouse | NOAEL 3,700 mg/kg/day | 2 generation |
| 2-Phenoxyethanol | Dermal | Not classified for development | Rabbit | NOAEL 600 mg/kg/day | during organogenesis |
| 2-Phenoxyethanol | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| 2-Phenoxyethanol | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Paraffin | Ingestion | heart | Some positive | Rat | NOAEL 15 | 90 days |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | data exist, but the data are not sufficient for classification | | mg/kg/day | |
| Paraffin | Ingestion | hematopoietic system \| liver \| immune system \| skin \| endocrine system \| bone, teeth, nails, and/or hair \| muscles \| nervous system \| eyes \| kidney and/or bladder \| respiratory system \| vascular system | Not classified | Rat | NOAEL 1,500 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 |
| White mineral oil | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,381 mg/kg/day | 90 days |
| White mineral oil | Ingestion | liver \| immune system | Not classified | Rat | NOAEL 1,336 mg/kg/day | 90 days |
| 2-Phenoxyethanol | Dermal | skin \| hematopoietic system \| liver \| eyes | Not classified | Rabbit | NOAEL 500 mg/kg/day | 13 weeks |
| 2-Phenoxyethanol | Ingestion | heart \| endocrine system \| hematopoietic system \| liver \| immune system \| nervous system \| kidney and/or bladder \| respiratory system | Not classified | Rat | NOAEL 1,514 mg/kg/day | 13 weeks |

**Aspiration Hazard**

| Name | Value |
|---|---|
| White mineral oil | Aspiration hazard |

**Exposure Levels**
Refer Section **8.1 Control Parameters** of this Safety Data Sheet.

**Interactive Effects**
Not determined.

## SECTION 12: Ecological information

**The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.**

**12.1. Toxicity**

**Acute aquatic hazard:**
Not acutely toxic to aquatic life by GHS criteria.

**Chronic aquatic hazard:**
Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

| Material | CAS Number | Organism | Type | Exposure | Test endpoint | Test result |
|---|---|---|---|---|---|---|
| Coconut Oil | 8001-31-8 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Glycerin | 56-81-5 | Bacteria | Experimental | 16 hours | NOEC | 10,000 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 |
| Isopropyl Palmitate | 142-91-6 | Bacteria | Analogous Compound | 18 hours | EC50 | >10 mg/l |
| Isopropyl Palmitate | 142-91-6 | Green algae | Analogous Compound | 72 hours | EC50 | >100 mg/l |
| Isopropyl Palmitate | 142-91-6 | Water flea | Experimental | 48 hours | EC50 | >=3,000 mg/l |
| Isopropyl Palmitate | 142-91-6 | Zebra Fish | Experimental | 96 hours | LC50 | >=10,000 mg/l |
| Isopropyl Palmitate | 142-91-6 | Water flea | Analogous Compound | 21 days | NOEC | 100 mg/l |
| Paraffin | 8002-74-2 | Green algae | Analogous Compound | 96 hours | EC50 | >1,000 mg/l |
| Paraffin | 8002-74-2 | Rainbow trout | Analogous Compound | 96 hours | LC50 | >1,000 mg/l |
| Paraffin | 8002-74-2 | Water flea | Analogous Compound | 48 hours | EC50 | >10,000 mg/l |
| PPG-15 Stearyl Ether | 25231-21-4 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Acrylate Terpolymer | Trade Secret | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Ester Diisooctyl Adipate | 108-63-4 | Bluegill | Analogous Compound | 96 hours | No tox obs at lmt of water sol | >100 mg/l |
| Ester Diisooctyl Adipate | 108-63-4 | Green algae | Analogous Compound | 72 hours | EbC50 | >500 mg/l |
| Ester Diisooctyl Adipate | 108-63-4 | Water flea | Analogous Compound | 48 hours | EC50 | >500 mg/l |
| Ester Diisooctyl Adipate | 108-63-4 | Water flea | Analogous Compound | 21 days | No tox obs at lmt of water sol | 100 mg/l |
| Ester Diisooctyl Adipate | 108-63-4 | Activated sludge | Analogous Compound | 3 hours | EC50 | >350 mg/l |
| Poly(dimethylsiloxane) | 63148-62-9 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| White mineral oil | 8042-47-5 | Water flea | Analogous Compound | 48 hours | EL50 | >100 mg/l |
| White mineral oil | 8042-47-5 | Bluegill | Experimental | 96 hours | LL50 | >100 mg/l |
| White mineral oil | 8042-47-5 | Green algae | Analogous Compound | 72 hours | NOEL | 100 mg/l |
| White mineral oil | 8042-47-5 | Water flea | Analogous | 21 days | NOEL | >100 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | Compound | | | |
| Trimethylsiloxysilicate | 68988-56-7 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| 2-Phenoxyethanol | 122-99-6 | Activated sludge | Experimental | 30 minutes | EC50 | >1,000 mg/l |
| 2-Phenoxyethanol | 122-99-6 | Fathead minnow | Experimental | 96 hours | LC50 | 344 mg/l |
| 2-Phenoxyethanol | 122-99-6 | Green algae | Experimental | 72 hours | EC50 | >100 mg/l |
| 2-Phenoxyethanol | 122-99-6 | Scud | Experimental | 96 hours | LC50 | 357 mg/l |
| 2-Phenoxyethanol | 122-99-6 | Water flea | Experimental | 48 hours | EC50 | >500 mg/l |
| 2-Phenoxyethanol | 122-99-6 | Fathead minnow | Experimental | 34 days | NOEC | 24 mg/l |
| 2-Phenoxyethanol | 122-99-6 | Green algae | Experimental | 72 hours | NOEC | 46 mg/l |
| 2-Phenoxyethanol | 122-99-6 | Water flea | Experimental | 21 days | NOEC | 9.43 mg/l |
| Magnesium sulfate heptahydrate | 10034-99-8 | Algae or other aquatic plants | Estimated | 72 hours | IC50 | 2,490 mg/l |
| Magnesium sulfate heptahydrate | 10034-99-8 | Fathead minnow | Estimated | 96 hours | LC50 | 5,770 mg/l |
| Magnesium sulfate heptahydrate | 10034-99-8 | Water flea | Estimated | 48 hours | EC50 | 704 mg/l |
| Magnesium sulfate heptahydrate | 10034-99-8 | Algae or other aquatic plants | Estimated | 72 hours | IC10 | 88 mg/l |

### 12.2. Persistence and degradability

| Material | CAS Number | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Coconut Oil | 8001-31-8 | Data not available-insufficient | N/A | N/A | N/A | N/A |
| Glycerin | 56-81-5 | Experimental Biodegradation | 14 days | BOD | 63 %BOD/ThOD | OECD 301C - MITI test (I) |
| Isopropyl Palmitate | 142-91-6 | Experimental Biodegradation | 28 days | BOD | 91.3 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| Paraffin | 8002-74-2 | Analogous Compound Biodegradation | 28 days | BOD | 40 %BOD/ThOD | OECD 301F - Manometric respirometry |
| PPG-15 Stearyl Ether | 25231-21-4 | Data not available-insufficient | N/A | N/A | N/A | N/A |
| Acrylate Terpolymer | Trade Secret | Data not available-insufficient | N/A | N/A | N/A | N/A |
| Ester Diisooctyl Adipate | 108-63-4 | Analogous Compound Biodegradation | 28 days | BOD | 90 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Poly(dimethylsiloxane) | 63148-62-9 | Data not available-insufficient | N/A | N/A | N/A | N/A |
| White mineral oil | 8042-47-5 | Experimental Biodegradation | 28 days | CO2 evolution | 0 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| Trimethylsiloxysilicate | 68988-56-7 | Data not available-insufficient | N/A | N/A | N/A | N/A |
| 2-Phenoxyethanol | 122-99-6 | Experimental Biodegradation | 28 days | BOD | 90 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Magnesium sulfate heptahydrate | 10034-99-8 | Data not available-insufficient | N/A | N/A | N/A | N/A |

### 12.3 : Bioaccumulative potential

| Material | CAS Number | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Coconut Oil | 8001-31-8 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Glycerin | 56-81-5 | Experimental Bioconcentration | | Log Kow | -1.76 | |
| Isopropyl Palmitate | 142-91-6 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Isopropyl Palmitate | 142-91-6 | Modeled Bioconcentration | | Log Kow | 8.16 | Episuite™ |
| Paraffin | 8002-74-2 | Modeled Bioconcentration | | Log Kow | 10.2 | Episuite™ |
| PPG-15 Stearyl Ether | 25231-21-4 | Estimated Bioconcentration | | Bioaccumulation factor | 6.5 | |
| Acrylate Terpolymer | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Ester Diisooctyl Adipate | 108-63-4 | Analogous Compound BCF - Fish | 28 days | Bioaccumulation factor | 27 | |
| Ester Diisooctyl Adipate | 108-63-4 | Modeled Bioconcentration | | Log Kow | 8.1 | Episuite™ |
| Poly(dimethylsiloxane) | 63148-62-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| White mineral oil | 8042-47-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Trimethylsiloxysilicate | 68988-56-7 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 2-Phenoxyethanol | 122-99-6 | Experimental Bioconcentration | | Log Kow | 1.2 | EC A.8 Partition Coefficient |
| Magnesium sulfate heptahydrate | 10034-99-8 | 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 Other adverse effects**
No information available.

## SECTION 13: Disposal considerations

**13.1. Disposal 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.

## SECTION 14: Transport Information

**Australian Dangerous Goods Code (ADG) - Road/Rail Transport**
**UN No.:** Not applicable.
**Proper shipping name:** Not applicable.
**Class/Division:** Not applicable.
**Sub Risk:** Not applicable.
**Packing Group:** Not applicable.

**Hazchem Code:** Not applicable

**IERG:** Not applicable.

**International Air Transport Association (IATA) - Air Transport**
**UN No.:** Not applicable.
**Proper shipping name:** Not applicable.
**Class/Division:** Not applicable.
**Sub Risk:** Not applicable.
**Packing Group:** Not applicable.

**International Maritime Dangerous Goods Code (IMDG)- Marine Transport**
**UN No.:** Not applicable.
**Proper shipping name:** Not applicable.
**Class/Division:** Not applicable.
**Sub Risk:** Not applicable.
**Packing Group:** Not applicable.
**Marine Pollutant:** Not applicable.

## SECTION 15: Regulatory information

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

**Australian Inventory Status:**
This product is regulated by the Therapeutics Goods Administration and is exempt from compliance with the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

## SECTION 16: Other information

**Revision information:**
Complete document review.

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 Safety 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.
Greenguard ® is a United States based program. The 'Low VOC' reference related to United States Federal and State regulations exemptions for some solvents.

**3M Australia SDSs are available at www.3m.com.au**