# Safety Data Sheet



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|---|---|---|---|
| **Document group:** | 29-7823-7 | **Version number:** | 4.00 |
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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™ Car Wash Soap, 39000

**Product Identification Numbers**
60-4550-6656-7

**1.2. Recommended use and restrictions on use**

**Recommended use**
Automotive, Car Wash Soap

For Industrial or 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**
Skin Corrosion/Irritation: Category 2.
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**

| | |
|---|---|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |

**Precautionary statements**
**General:**

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

**Prevention:**

| | |
|---|---|
| P264 | Wash thoroughly after handling. |
| P280E | Wear protective gloves. |

**Response:**

| | |
|---|---|
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P337 + P313 | IF eye irritation persists: Get medical advice/attention. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |

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

**2.4. Other hazards which do not result in classification**
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | CAS Nbr | % by Weight |
|---|---|---|
| Water | 7732-18-5 | 60 - 100 |
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | 1 - 5 |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | 1 - 5 |
| Cocoamidopropylbetaine | 61789-40-0 | 1 - 5 |
| Sodium Mono-C10-16-Alkyl Sulfates | 68585-47-7 | 1 - 5 |
| Sulfonic Acids, C14-16-Alkane Hydroxy | 68439-57-6 | 1 - 5 |

| | | |
|---|---|---|
| and C14-16 Alkene, Sodium Salts | | |
| Lauryldimethylamine Oxide | 1643-20-5 | < 3 |
| Sodium Chloride | 7647-14-5 | 0.5 - 1.5 |

## 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**
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**
Material will not burn.

**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. 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 water. 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**
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 away from heat. Store away from oxidising agents.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Occupational exposure limits**
No occupational exposure 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**

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:
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**
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: Polymer laminate

Select and use gloves according to AS/NZ 2161.

**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.
Select and use respirators according to AS/NZS 1715. Respirators should comply with AS/NZS 1716 performance specifications. For information about respirators, call 3M on 1800 024 464.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid. |
| **Colour** | Orange-Red |
| **Odour** | Cherry |
| **Odour threshold** | *No data available.* |
| **pH** | 9 - 10 |
| **Melting point/Freezing point** | *No data available.* |
| **Boiling point/Initial boiling point/Boiling range** | 100 ºC |
| **Flash point** | Flash point > 93 °C (200 °F) |
| **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** | 1 g/ml |
| **Relative density** | 1 [*Ref Std:*WATER=1] |
| **Water solubility** | Complete |
| **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** | 400 - 800 mPa-s |
| **Volatile organic compounds (VOC)** | 2 g/l [*Test Method:*calculated SCAQMD rule 443.1] |
| **Volatile organic compounds (VOC)** | 0.2 % weight [*Test Method:*calculated per CARB title 2] |
| **Percent volatile** | 88.8 % weight |
| **VOC less H2O & exempt solvents** | 15 g/l [*Test Method:*calculated SCAQMD rule 443.1] |
| **Molecular weight** | *No data available.* |

## SECTION 10: Stability and reactivity

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

**10.2 Chemical stability**
Stable.

**10.3. Conditions to avoid**
Heat.

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

**10.5 Incompatible materials**
Strong oxidising agents.

**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**
Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Skin contact**
Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

**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 |
| Sodium Mono-C10-16-Alkyl Sulfates | Dermal | Rat | LD50 > 2,000 mg/kg |
| Sodium Mono-C10-16-Alkyl Sulfates | Ingestion | Rat | LD50 977 mg/kg |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Dermal | Rat | LD50 > 2,000 mg/kg |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Ingestion | Rat | LD50 578 mg/kg |
| Alcohol Ethoxysulfate (Sodium Salt) | Dermal | Rat | LD50 > 2,000 mg/kg |
| Alcohol Ethoxysulfate (Sodium Salt) | Ingestion | Rat | LD50 2,870 mg/kg |
| Cocoamidopropylbetaine | Dermal | Rat | LD50 > 2,000 mg/kg |
| Cocoamidopropylbetaine | Ingestion | Rat | LD50 > 1,500 mg/kg |
| Lauryldimethylamine Oxide | Dermal | similar compounds | LD50 > 2,000 mg/kg |

| | | | |
|---|---|---|---|
| Lauryldimethylamine Oxide | Ingestion | similar compounds | LD50 1,064 mg/kg |
| Sodium Chloride | Dermal | Rabbit | LD50 > 10,000 mg/kg |
| Sodium Chloride | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 10.5 mg/l |
| Sodium Chloride | Ingestion | Rat | LD50 3,550 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Overall product | In vitro data | Irritant |
| Sodium Mono-C10-16-Alkyl Sulfates | Rabbit | Irritant |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Rabbit | Mild irritant |
| Alcohol Ethoxysulfate (Sodium Salt) | Rabbit | Irritant |
| Cocoamidopropylbetaine | Rabbit | Mild irritant |
| Lauryldimethylamine Oxide | similar compounds | Irritant |
| Sodium Chloride | Rabbit | No significant irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Overall product | In vitro data | Severe irritant |
| Sodium Mono-C10-16-Alkyl Sulfates | Rabbit | Corrosive |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Rabbit | Corrosive |
| Alcohol Ethoxysulfate (Sodium Salt) | Rabbit | Corrosive |
| Cocoamidopropylbetaine | Rabbit | Corrosive |
| Lauryldimethylamine Oxide | similar compounds | Corrosive |
| Sodium Chloride | Rabbit | Mild irritant |

**Skin Sensitisation**

| Name | Species | Value |
|---|---|---|
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Guinea pig | Not classified |
| Alcohol Ethoxysulfate (Sodium Salt) | Guinea pig | Not classified |
| Cocoamidopropylbetaine | Multiple animal species | Not classified |
| Lauryldimethylamine Oxide | 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 |
|---|---|---|
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | In Vitro | Not mutagenic |
| Alcohol Ethoxysulfate (Sodium Salt) | In Vitro | Not mutagenic |
| Alcohol Ethoxysulfate (Sodium Salt) | In vivo | Not mutagenic |
| Cocoamidopropylbetaine | In Vitro | Not mutagenic |
| Cocoamidopropylbetaine | In vivo | Not mutagenic |
| Lauryldimethylamine Oxide | In Vitro | Not mutagenic |
| Sodium Chloride | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Sodium Chloride | In vivo | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Dermal | Rat | Not carcinogenic |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Ingestion | Rat | Not carcinogenic |
| Sodium Chloride | Ingestion | Rat | Not carcinogenic |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Ingestion | Not classified for female reproduction | Rat | NOAEL 871 mg/kg | 2 generation |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Ingestion | Not classified for male reproduction | Rat | NOAEL 891 mg/kg | 2 generation |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Ingestion | Not classified for development | Rabbit | NOAEL 600 mg/kg | during organogenesis |
| Alcohol Ethoxysulfate (Sodium Salt) | Ingestion | Not classified for female reproduction | Rat | NOAEL 300 mg/kg/day | 2 generation |
| Alcohol Ethoxysulfate (Sodium Salt) | Ingestion | Not classified for male reproduction | Rat | NOAEL 300 mg/kg/day | 2 generation |
| Alcohol Ethoxysulfate (Sodium Salt) | Ingestion | Not classified for development | Rat | NOAEL 300 mg/kg/day | 2 generation |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Sodium Mono-C10-16-Alkyl Sulfates | Inhalation | respiratory irritation | May cause respiratory irritation | similar health hazards | NOAEL Not available | |
| Alcohol Ethoxysulfate (Sodium Salt) | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Cocoamidopropylbetaine | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Lauryldimethylamine Oxide | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for | similar health hazards | NOAEL Not available. | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | classification | | | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Ingestion | liver | Not classified | Rat | NOAEL 500 mg/kg/day | 6 months |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 500 mg/kg | 6 months |
| Alcohol Ethoxysulfate (Sodium Salt) | Dermal | skin \| heart \| endocrine system \| gastrointestinal tract \| hematopoietic system \| liver \| immune system \| nervous system \| eyes \| kidney and/or bladder \| respiratory system \| vascular system | Not classified | Mouse | NOAEL 6.91 mg/day | 90 days |
| Alcohol Ethoxysulfate (Sodium Salt) | Ingestion | blood \| eyes | Not classified | Rat | NOAEL 225 mg/kg/day | 90 days |
| Cocoamidopropylbetaine | Ingestion | heart \| endocrine system \| hematopoietic system \| liver \| nervous system \| eyes \| kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 92 days |
| Lauryldimethylamine Oxide | Ingestion | eyes | Some positive data exist, but the data are not sufficient for classification | similar compounds | NOAEL 88 mg/kg/day | 90 days |
| Sodium Chloride | Ingestion | blood \| kidney and/or bladder \| vascular system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 2,240 mg/kg/day | 9 months |
| Sodium Chloride | Ingestion | nervous system \| eyes | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,700 mg/kg/day | 90 days |
| Sodium Chloride | Ingestion | liver \| respiratory system | Not classified | Rat | NOAEL 33 mg/kg/day | 90 days |

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

**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:**
GHS Acute 2: Toxic to aquatic life.

**Chronic aquatic hazard:**
GHS Chronic 3: Harmful to aquatic life with long lasting effects.

No product test data available.

| Material | CAS Number | Organism | Type | Exposure | Test endpoint | Test result |
|---|---|---|---|---|---|---|
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | Bacteria | Estimated | 16 hours | EC10 | >10,000 mg/l |
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | Green algae | Estimated | 72 hours | EC50 | 27.7 mg/l |
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | Water flea | Estimated | 48 hours | EC50 | 7.4 mg/l |
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | Zebra Fish | Estimated | 96 hours | LC50 | 7.1 mg/l |
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | Green algae | Estimated | 72 hours | NOEC | 0.95 mg/l |
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | Rainbow trout | Estimated | 28 days | NOEC | 0.14 mg/l |
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | Water flea | Estimated | 7 days | NOEC | 0.06 mg/l |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Algae or other aquatic plants | Estimated | 96 hours | EC50 | 0.9 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Water flea | Estimated | 48 hours | EC50 | 1.62 mg/l |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Zebra Fish | Estimated | 96 hours | LC50 | 0.6 mg/l |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Algae or other aquatic plants | Estimated | 96 hours | NOEC | 0.3 mg/l |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Fathead minnow | Estimated | 30 days | NOEC | 1 mg/l |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Water flea | Estimated | 21 days | NOEC | 0.3 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Bacteria | Experimental | 30 minutes | NOEC | >3,000 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Common Carp | Experimental | 96 hours | LC50 | 1.9 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Green algae | Experimental | 96 hours | EC50 | 0.55 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Water flea | Experimental | 24 hours | EC50 | 1.1 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Green algae | Experimental | 72 hours | NOEC | 0.09 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Water flea | Experimental | 21 days | NOEC | 0.9 mg/l |
| Sodium Mono-C10-16-Alkyl Sulfates | 68585-47-7 | | Data not available or insufficient for classification | | | N/A |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | 68439-57-6 | Activated sludge | Experimental | 3 hours | EC50 | 230 mg/l |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | 68439-57-6 | Diatom | Experimental | 72 hours | EC50 | 5.2 mg/l |
| Sulfonic Acids, C14-16-Alkane | 68439-57-6 | Water flea | Experimental | 48 hours | EC50 | 3.48 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| Hydroxy and C14-16 Alkene, Sodium Salts | | | | | | |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | 68439-57-6 | Zebra Fish | Experimental | 96 hours | LC50 | 2.6 mg/l |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | 68439-57-6 | Diatom | Experimental | 72 hours | EC10 | 3.9 mg/l |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | 68439-57-6 | Water flea | Experimental | 21 days | NOEC | 6.3 mg/l |
| Lauryldimethyl amine Oxide | 1643-20-5 | Green algae | Experimental | 72 hours | EC50 | 0.11 mg/l |
| Lauryldimethyl amine Oxide | 1643-20-5 | Medaka | Experimental | 96 hours | LC50 | 30 mg/l |
| Lauryldimethyl amine Oxide | 1643-20-5 | Water flea | Experimental | 48 hours | EC50 | 2.2 mg/l |
| Lauryldimethyl amine Oxide | 1643-20-5 | Fathead minnow | Experimental | 302 days | NOEC | 0.42 mg/l |
| Lauryldimethyl amine Oxide | 1643-20-5 | Green algae | Experimental | 72 hours | NOEC | 0.0049 mg/l |
| Lauryldimethyl amine Oxide | 1643-20-5 | Water flea | Experimental | 21 days | NOEC | 0.36 mg/l |
| Sodium Chloride | 7647-14-5 | Activated sludge | Experimental | | NOEC | 8,000 mg/l |
| Sodium Chloride | 7647-14-5 | Algae or other aquatic plants | Experimental | 96 hours | EC50 | 2,430 mg/l |
| Sodium Chloride | 7647-14-5 | Bluegill | Experimental | 96 hours | LC50 | 5,840 mg/l |
| Sodium Chloride | 7647-14-5 | Water flea | Experimental | 48 hours | LC50 | 874 mg/l |
| Sodium Chloride | 7647-14-5 | Fathead minnow | Experimental | 33 days | NOEC | 252 mg/l |
| Sodium Chloride | 7647-14-5 | Water flea | Experimental | 21 days | NOEC | 314 mg/l |

**12.2. Persistence and degradability**

| Material | CAS Number | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | Estimated Biodegradation | 28 days | Dissolv. Organic Carbon Deplet | 100 %removal of DOC | Non-standard method |
| Benzenesulfoni | 68081-81-2 | Estimated | 28 days | Dissolv. | 94 % weight | OECD 301A - DOC |

| | | | | | | |
|---|---|---|---|---|---|---|
| c acid, mono-C10-16-alkyl derivs., sodium salts | | Biodegradation | | Organic Carbon Deplet | | Die Away Test |
| Cocoamidopropylbetaine | 61789-40-0 | Experimental Biodegradation | 28 days | Dissolv. Organic Carbon Deplet | 100 %removal of DOC | OECD 301E - Modif. OECD Screen |
| Sodium Mono-C10-16-Alkyl Sulfates | 68585-47-7 | Experimental Biodegradation | 30 days | BOD | >60 %BOD/Th BOD | OECD 301D - Closed bottle test |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | 68439-57-6 | Experimental Biodegradation | 28 days | CO2 evolution | 80 % weight | OECD 301B - Modified sturm or CO2 |
| Lauryldimethyl amine Oxide | 1643-20-5 | Experimental Biodegradation | 28 days | CO2 evolution | 95.27 % weight | OECD 301B - Modified sturm or CO2 |
| Sodium Chloride | 7647-14-5 | 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 |
|---|---|---|---|---|---|---|
| Alcohol Ethoxysulfate (Sodium Salt) | 68585-34-2 | Experimental BCF - Carp | 72 hours | Bioaccumulation factor | 18 | Non-standard method |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Estimated BCF - Fathead Minnow | 28 days | Bioaccumulation factor | 245 | |
| Cocoamidopropylbetaine | 61789-40-0 | Estimated Bioconcentration | | Log Kow | 0.69 | Non-standard method |
| Sodium Mono-C10-16-Alkyl Sulfates | 68585-47-7 | Experimental BCF - Carp | | Bioaccumulation factor | ≤73 | Non-standard method |
| Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts | 68439-57-6 | Estimated Bioconcentration | | Log Kow | -1.3 | Non-standard method |
| Lauryldimethyl amine Oxide | 1643-20-5 | Estimated Bioconcentration | | Log Kow | 1.85 | Non-standard method |
| Sodium Chloride | 7647-14-5 | 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.

Incinerate in a permitted waste incineration facility. 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:**
All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC). Conditions may apply prior to introduction for direct importers of this product, Please contact 3M Australia on 136 136 for further details.

**Poison Schedule:**This product is intended for Industrial or Professional Use only and therefore is not packaged and labelled in accordance with the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons.

## 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**