



Safety Data Sheet

Copyright,2015,3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

| | | | |
|------------------------|------------|-------------------------|------------|
| Document group: | 28-4142-7 | Version number: | 4.00 |
| Issue Date: | 16/11/2015 | Supersedes date: | 23/03/2015 |

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

Scotchgard(TM) Stone Floor Protector

Product Identification Numbers

70-0715-9144-3 70-0716-8335-6

1.2. Recommended use and restrictions on use

Recommended use

Hard floor maintenance.

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.

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.

Skin Sensitizer: Category 1.

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.
H317 May cause an allergic skin reaction.

Precautionary statements

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280E Wear protective gloves.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P321 Specific treatment (see Notes to Physician on this label).

Disposal:

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

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 | 60 - 90 |
| Polymer | Trade Secret | 3 - 7 |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | 1760-24-3 | 1 - 5 |
| Salt | Trade Secret | 1 - 5 |
| Silanetriol, methyl-, potassium salt | 31795-24-1 | 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

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

If swallowed

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

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

See Section 11.1. Information on toxicological effects.

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

Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Material will not burn. Use a fire fighting agent suitable for the surrounding fire. Non-combustible. Use a fire fighting agent suitable for surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

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 metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial or professional use only. 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage including any incompatibilities

Store away from acids. Store away from areas where product may come into contact with food or pharmaceuticals.

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:

Safety glasses with side shields.

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

if this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - 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:

Scotchgard(TM) Stone Floor Protector

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. |
| Appearance/Odour | White; Slight ammonia odour. |
| Odour threshold | <i>No data available.</i> |
| pH | 11 - 12 |
| Melting point/Freezing point | <i>Not applicable.</i> |
| Boiling point/Initial boiling point/Boiling range | Approximately 100 °C |
| Flash point | No flash point |
| Flammability (solid, gas) | Not applicable. |
| Flammable Limits(LEL) | <i>Not applicable.</i> |
| Flammable Limits(UEL) | <i>Not applicable.</i> |
| Vapour pressure | <i>No data available.</i> |
| Vapour density | <i>No data available.</i> |
| Density | Approximately 1 g/ml |
| Relative density | Approximately 1 [Ref Std:WATER=1] |
| Water solubility | Complete |
| Solubility- non-water | <i>No data available.</i> |
| Autoignition temperature | <i>Not applicable.</i> |
| Decomposition temperature | <i>No data available.</i> |
| Volatile organic compounds (VOC) | < 1 % weight |

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Stable.

10.3. Conditions to avoid

None known.

10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.5 Incompatible materials

Strong acids.

10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Carbon monoxide. | Not specified. |
| Carbon dioxide. | Not specified. |

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. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye contact

Vapours released during curing may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion

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

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 | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Salt | Ingestion | Rat | LD50 > 2,000 mg/kg |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Inhalation-Dust/Mist (4 hours) | Rat | LC50 >1.49, <2.44 mg/l |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Ingestion | Rat | LD50 1,897 mg/kg |
| Silanetriol, methyl-, potassium salt | Ingestion | Rat | LD50 > 2,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--|------------------------|--------------------|
| Overall product | In vitro data | Irritant |
| Salt | Rabbit | Minimal irritation |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Rabbit | Mild irritant |
| Silanetriol, methyl-, potassium salt | Professional judgement | Corrosive |

Serious Eye Damage/Irritation

| Name | Species | Value |
|-----------------|---------------|---------------------------|
| Overall product | In vitro data | No significant irritation |

Scotchgard(TM) Stone Floor Protector

| | | |
|--|------------------------|-----------|
| Salt | Rabbit | Corrosive |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Rabbit | Corrosive |
| Silanetriol, methyl-, potassium salt | similar health hazards | Corrosive |

Skin Sensitisation

| Name | Species | Value |
|--|-------------------------|-------------|
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Multiple animal species | Sensitising |

Respiratory Sensitisation

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

Germ Cell Mutagenicity

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

Carcinogenicity

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

Reproductive Toxicity**Reproductive and/or Developmental Effects**

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

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

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|--|------------|------------------------|--|------------------------|---------------------|-------------------|
| Salt | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar compounds | NOAEL Not available | |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Inhalation | respiratory irritation | May cause respiratory irritation | similar health hazards | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|------|-----------|--|--|-------------------|---------------------|-------------------|
| Salt | Ingestion | nervous system kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | similar compounds | NOAEL Not available | |

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:**

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 |
|--|--------------|----------------|---|----------|---------------|-------------|
| Silanetriol, methyl-, potassium salt | 31795-24-1 | Water flea | Experimental | 48 hours | EC50 | >100 mg/l |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | 1760-24-3 | Fathead minnow | Experimental | 96 hours | LC50 | 168 mg/l |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | 1760-24-3 | Green Algae | Experimental | 72 hours | EC50 | 5.5 mg/l |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | 1760-24-3 | Green Algae | Experimental | 96 hours | NOEC | 1.6 mg/l |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | 1760-24-3 | Water flea | Experimental | 48 hours | EC50 | 37 mg/l |
| Salt | Trade Secret | | Data not available or insufficient for classification | | | |
| Polymer | Trade Secret | | Data not available or insufficient for classification | | | |

12.2. Persistence and degradability

| Material | CAS Number | Test type | Duration | Study Type | Test result | Protocol |
|----------|--------------|-----------|----------|------------|-------------|----------|
| Salt | Trade Secret | Data not | N/A | N/A | N/A | N/A |

Scotchgard(TM) Stone Floor Protector

| | | | | | | |
|--|--------------|---|---------|--------------------------------|-------------|---------------|
| | | available or insufficient for classification | | | | |
| Silanetriol, methyl-, potassium salt | 31795-24-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Polymer | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | 1760-24-3 | Experimental Biodegradation | 28 days | Dissolv. Organic Carbon Deplet | 39 % weight | Other methods |

12.3 : Bioaccumulative potential

| Material | CAS Number | Test type | Duration | Study Type | Test result | Protocol |
|--|--------------|---|----------|------------|-------------|----------|
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | 1760-24-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Salt | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Silanetriol, methyl-, potassium salt | 31795-24-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Polymer | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 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.

SECTION 14: Transport Information**Australian Dangerous Goods Code (ADG) - Road/Rail Transport**

UN No.: Not applicable.

Proper shipping name: Not applicable.

Scotchgard(TM) Stone Floor Protector

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:

The chemical components contained within this product are listed on the Australian Inventory of Chemical Substances and are in compliance with the requirements of the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

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:

Conversion to GHS format SDS.

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