



Safety Data Sheet

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|------------------------|------------|-------------------------|------------|
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This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances (Safety Data Sheets) Notice 2017.

SECTION 1: Identification

1.1. Product identifier

Scotchgard(TM) Outdoor Sun & Water Shield (5019)

Product Identification Numbers

70-0052-9195-3

1.2. Recommended use and restrictions on use

Recommended use

Coating.

For Consumer Use

1.3. Supplier's details

Address: 3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland
Telephone: (09) 477 4040
E Mail: innovation@nz.mmm.com
Website: 3m.co.nz

1.4. Emergency telephone number

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

SECTION 2: Hazard identification

Classified as hazardous in accordance with the relevant criteria of the HSNO Act 1996 and the Hazardous Substances (Hazard Classification) Notice 2020.

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

2.1. Classification of the substance or mixture

Flammable Aerosol: Category 1
Specific Target Organ Toxicity (single exposure): Category 1
Specific Target Organ Toxicity (single exposure): Category 3
Chronic Aquatic Toxicity: Category 2

2.2. Label elements

SIGNAL WORD

Danger

Symbols:

Flame |Exclamation mark |Health Hazard |Environment |

Pictograms



HAZARD STATEMENTS:

- H222 Extremely flammable aerosol.
- H229 Pressurized container: may burst if heated.
- H336 May cause drowsiness or dizziness.
- H370 Causes damage to organs: cardiovascular system.
- H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

General

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

Prevention

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.

Response

- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308 + P311 IF exposed or concerned: Call a POISON CENTER or doctor/physician.
- P391 Collect spillage.

Storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50oC.

Disposal

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

2.3. Other hazards

Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. May displace oxygen and cause rapid suffocation.

SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | % by Weight |
|---|--------------|-------------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 50 - 80 |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | 10 - 40 |
| Proprietary Silicone Mixture | Trade Secret | 3 - 10 |
| Proprietary resin | Trade Secret | < 5 |

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

Remove person to fresh air. Get medical attention.

Skin contact

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

Eye contact

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately 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:

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

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

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

Closed containers exposed to heat from fire may build pressure and explode.

5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

5.4. Hazchem code: 2YE**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. 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

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Contain spill. Cover spill area with a fire-extinguishing foam. 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 using non-sparking tools. Place in a metal 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. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

Refer to Section 15 - Controls for more information

7.1. Precautions for safe handling

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe 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 contact with oxidising agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from acids. Store away from oxidising agents.

7.3. Certified handler

Not required

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

Do not remain in area where available oxygen may be reduced. 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:

Full face shield.

Indirect vented goggles.

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

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

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 vapors and particulates

Half facepiece or full facepiece supplied-air respirator.

Organic vapor respirators may have short service life.

For questions about suitability for a specific application, consult with your respirator manufacturer.

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 - Respiratory protective devices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | Liquid. |
| Colour | Amber, Milky White |
| Odour | Mineral spirits |
| Odour threshold | <i>No data available.</i> |
| pH | <i>No data available.</i> |
| Melting point/Freezing point | <i>No data available.</i> |
| Boiling point/Initial boiling point/Boiling range | 173.9 °C |
| Flash point | 35.6 °C [<i>Test Method: Estimated</i>] |
| Evaporation rate | <i>No data available.</i> |
| Flammability (solid, gas) | Not applicable. |
| Flammable Limits(LEL) | 0.8 % |
| Flammable Limits(UEL) | 6 % |
| Vapour pressure | 146.7 Pa [<i>@ 20 °C</i>] |
| Vapor Density and/or Relative Vapor Density | 4.8 |
| Density | <i>No data available.</i> |
| Relative density | 0.76 |
| Water solubility | Negligible |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Autoignition temperature | 230 °C - 315.6 °C |
| Decomposition temperature | <i>No data available.</i> |
| Viscosity/Kinematic Viscosity | 1 mPa-s |
| Volatile organic compounds (VOC) | 0.9 g O3/g product [<i>Test Method: calculated per CARB</i>] |
| Percent volatile | 91.64 % weight |

VOC less H2O & exempt solvents

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 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Not determined

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Formaldehyde | Not specified. |
| 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

Simple asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

Skin contact

May be harmful in contact with skin.

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Eye contact

Sprayed material may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause additional health effects (see below).

Additional Health Effects:

Single exposure may cause target organ effects:

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Single exposure, above recommended guidelines, may cause: Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

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 >2,000 - =5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Distillates (petroleum), hydrotreated light | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Distillates (petroleum), hydrotreated light | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 3 mg/l |
| Distillates (petroleum), hydrotreated light | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Petroleum gases, liquefied, sweetened | Inhalation-Gas (4 hours) | Rat | LC50 277,000 ppm |
| Proprietary Silicone Mixture | Dermal | Rabbit | LD50 > 19,400 mg/kg |
| Proprietary Silicone Mixture | Ingestion | Rat | LD50 > 17,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|---|------------------------|---------------------------|
| Distillates (petroleum), hydrotreated light | Rabbit | Mild irritant |
| Petroleum gases, liquefied, sweetened | Professional judgement | No significant irritation |
| Proprietary Silicone Mixture | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|---|------------------------|---------------------------|
| Distillates (petroleum), hydrotreated light | Rabbit | Mild irritant |
| Petroleum gases, liquefied, sweetened | Professional judgement | No significant irritation |
| Proprietary Silicone Mixture | Rabbit | No significant irritation |

Sensitisation:

Skin Sensitisation

| Name | Species | Value |
|---|------------|----------------|
| Distillates (petroleum), hydrotreated light | 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 |
|---|----------|---------------|
| Distillates (petroleum), hydrotreated light | In Vitro | Not mutagenic |
| Petroleum gases, liquefied, sweetened | In Vitro | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|---|--------|---------|--|
| Distillates (petroleum), hydrotreated light | Dermal | Mouse | Some positive data exist, but 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 |
|---|------------|-----------------------------------|--|------------------------|---------------------|-------------------|
| Distillates (petroleum), hydrotreated light | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Distillates (petroleum), hydrotreated light | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Distillates (petroleum), hydrotreated light | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| Petroleum gases, liquefied, sweetened | Inhalation | cardiac sensitization | Causes damage to organs | similar compounds | NOAEL Not available | |
| Petroleum gases, liquefied, sweetened | Inhalation | central nervous system depression | May cause drowsiness or dizziness | | NOAEL Not available | |
| Petroleum gases, liquefied, sweetened | Inhalation | respiratory irritation | Not classified | | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---------------------------------------|------------|-----------------------|----------------|---------|---------------------|-------------------|
| Petroleum gases, liquefied, sweetened | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL Not available | |

Aspiration Hazard

| Name | Value |
|---|-------------------|
| Distillates (petroleum), hydrotreated light | Aspiration hazard |

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not 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

Ecotoxic to the aquatic environment.

Acute Aquatic Toxicity: Category 2

Chronic Aquatic Toxicity: Category 2

No product test data available.

| Material | CAS Number | Organism | Type | Exposure | Test endpoint | Test result |
|---|--------------|---------------|---|----------|---------------|-------------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Green algae | Estimated | 72 hours | EC50 | 1 mg/l |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Rainbow trout | Estimated | 96 hours | LL50 | 2 mg/l |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Water flea | Estimated | 48 hours | EL50 | 1.4 mg/l |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Green algae | Estimated | 72 hours | NOEL | 1 mg/l |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Water flea | Estimated | 21 days | NOEL | 0.48 mg/l |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | N/A | Data not available or insufficient for classification | N/A | N/A | n/a |
| Proprietary Silicone Mixture | Trade Secret | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Proprietary resin | Trade Secret | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |

12.2. Persistence and degradability

| Material | CAS Number | Test type | Duration | Study Type | Test result | Protocol |
|---|------------|--------------------------------|----------|------------|-------------|----------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Data not availbl- insufficient | N/A | N/A | N/A | N/A |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | Data not availbl- insufficient | N/A | N/A | N/A | N/A |

| | | | | | | |
|------------------------------|--------------|--------------------------------|-----|-----|-----|-----|
| Proprietary Silicone Mixture | Trade Secret | Data not availbl- insufficient | N/A | N/A | N/A | N/A |
| Proprietary resin | Trade Secret | Data not availbl- insufficient | N/A | N/A | N/A | N/A |

12.3 : Bioaccumulative potential

| Material | CAS Number | Test type | Duration | Study Type | Test result | Protocol |
|---|--------------|---|----------|------------|-------------|----------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | Estimated Bioconcentration | | Log Kow | 2.8 | |
| Proprietary Silicone Mixture | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Proprietary resin | 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

In accordance with the Hazardous Substances (Disposal) Notice 2017 and the relevant criteria of the HSNO Act 1996.

Dispose of waste product in a permitted industrial waste facility. Facility must be capable of handling aerosol cans. 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.

Packaging (that may or may not contain any residual substance) may be lawfully disposed of by householders or other consumers through public or commercial waste collection services.

SECTION 14: Transport Information

New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport

UN No.: UN1950
Proper Shipping Name: AEROSOLS
Class/Division: 2.1
Sub Risk: Not applicable.
Packing Group: Not applicable.
Special Instructions: Limited quantity may apply
Hazchem Code: 2YE
IERG: 49

International Air Transport Association (IATA) - Air Transport

UN No.: UN1950
Proper Shipping Name: AEROSOLS, FLAMMABLE
Class/Division: 2.1
Sub Risk: Not applicable.
Packing Group: Not applicable.

International Maritime Dangerous Goods Code (IMDG) - Marine Transport

UN No.: UN1950
Proper Shipping Name: AEROSOLS
Class/Division: 2.1
Sub Risk: Not applicable.
Packing Group: Not applicable.
Marine Pollutant: Not applicable.
Special Instructions: Limited quantity may apply

SECTION 15: Regulatory information

HSNO Approval number HSR002515
 Group standard name Aerosols (Flammable) Group Standard 2020
 HSNO Hazard classification Refer to Section 2: Hazard identification

NZ Inventory of Chemicals (NZIoC) Status

All applicable chemical ingredients in this material are in compliance with NZIoC listing requirements.

Controls in accordance with The Health and Safety at Work Act 2015, Health and Safety at Work (Hazardous Substances) Regulations 2017 and the HSNO Act 1996, Hazardous Substances (Hazardous Property Controls) Notice 2017

| | |
|---------------------------------|---|
| Certified handler | Not required |
| Location Compliance Certificate | 3,000 L (aggregate water capacity) |
| Hazardous atmosphere zone | 3,000 L (aggregate water capacity) |
| Fire extinguishers | One required for 3,000 L (aggregate water capacity) |
| Emergency response plan | 3,000 L (aggregate water capacity) |
| Secondary containment | Not required |
| Tracking | Not required |
| Warning signage | 3,000 L (aggregate water capacity) |

SECTION 16: Other information

Revision information:
 Complete document review.

| | | | |
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Key to abbreviations and acronyms

GHS refers to the Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition of 2017

HSNO means Hazardous Substances and New Organisms Act 1996

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