# Safety Data Sheet



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|---|---|---|---|
| **Document Group:** | 28-0352-6 | **Version Number:** | 6.03 |
| **Issue Date:** | 11/14/17 | **Supercedes Date:** | 03/16/17 |

## SECTION 1: Identification

### 1.1. Product identifier
Scotchgard™ Rug & Carpet Protector (Cat. No. 4406-17, 4406-14)

**Product Identification Numbers**

| ID Number | UPC | ID Number | UPC |
|---|---|---|---|
| 70-0050-7525-7 | 000-51131-98400-4 | 70-0050-7526-5 | 000-21200-57028-5 |
| 70-0051-3371-8 | 500-21200-57028-0 | 70-0052-5207-0 | 000-51141-98436-0 |
| 70-0068-4614-4 | 000-76308-92798-1 | | |

### 1.2. Recommended use and restrictions on use

**Recommended use**
Water, oil and stain protector for carpet and rug

### 1.3. Supplier's details
**MANUFACTURER:** 3M
**DIVISION:** Home Care Division
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA
**Telephone:** 1-888-3M HELPS (1-888-364-3577)

### 1.4. Emergency telephone number
1-800-364-3577 or (651) 737-6501 (24 hours)

## SECTION 2: Hazard identification

### 2.1. Hazard classification
Flammable Aerosol: Category 1.
Gas Under Pressure: Liquefied gas.
Specific Target Organ Toxicity (single exposure): Category 1.

### 2.2. Label elements
**Signal word**
Danger

**Symbols**
Flame | Gas cylinder | Health Hazard |

**Pictograms**

**Hazard Statements**
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.

Causes damage to organs:
cardiovascular system |

**Precautionary Statements**
**General:**
Keep out of reach of children.

**Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

**Response:**
IF exposed: Call a POISON CENTER or doctor/physician.
Specific treatment (see Notes to Physician on this label).

**Storage:**
Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.
Store in a well-ventilated place.
Store locked up.

**Disposal:**
Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**Notes to Physician:**
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

15% of the mixture consists of ingredients of unknown acute oral toxicity.
15% of the mixture consists of ingredients of unknown acute dermal toxicity.

## SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|---|---|
| Water | 7732-18-5 | 83 - 90 |
| ISOBUTANE | 75-28-5 | 5 - 10 Trade Secret * |
| PETROLEUM GASES, LIQUEFIED, SWEETENED | 68476-86-8 | 5 - 10 Trade Secret * |
| Fluorochemical Urethane (NJTS Reg. No. 04499600-7003) | Trade Secret* | 3 - 7 |
| MORPHOLINE | 110-91-8 | < 0.20 |

| | | |
|---|---|---|
| Benzenesulfonic acid, dodecyl-, branched, sodium salt | 69227-09-4 | < 0.20 |

NJTS or NJTSRN: New Jersey Trade Secret Registry Number.

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

## 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 you feel unwell, 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**
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

## SECTION 5: Fire-fighting measures

**5.1. Suitable extinguishing media**
Material will not burn. 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. Exposure to extreme heat can give rise to thermal decomposition.

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |
| Hydrogen Fluoride | During Combustion |
| Toxic Vapor, Gas, Particulate | During Combustion |

**5.3. Special protective actions for fire-fighters**
When fire fighting conditions are severe and total thermal decomposition of the product is possible, wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## 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.

**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. 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. 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**
Do not breathe thermal decomposition products. Do not use in a confined area with minimal air exchange. 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/vapors/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.

**7.2. Conditions for safe storage including any incompatibilities**
Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.

## 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 | C.A.S. No. | Agency | Limit type | Additional Comments |
|---|---|---|---|---|
| MORPHOLINE | 110-91-8 | ACGIH | TWA:20 ppm | SKIN, A4: Not class. as human carcin |
| MORPHOLINE | 110-91-8 | OSHA | TWA:70 mg/m3(20 ppm) | SKIN |
| ISOBUTANE | 75-28-5 | ACGIH | STEL:1000 ppm | |
| Natural gas | 75-28-5 | ACGIH | Limit value not established: | |

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**
Provide appropriate local exhaust when product is heated. 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/vapors/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

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

**Respiratory protection**

Use a positive pressure supplied-air respirator if there is a potential for over exposure from an uncontrolled release, exposure levels are not known, or under any other circumstances where air-purifying respirators may not provide adequate 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 supplied-air respirator

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

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **General Physical Form:** | Liquid |
| **Specific Physical Form:** | Aerosol |
| **Odor, Color, Grade:** | slight solvent odor, opaque white emulsion |
| **Odor threshold** | *No Data Available* |
| **pH** | 9 [*Details:*(Liquid fill only)] |
| **Melting point** | *Not Applicable* |
| **Boiling Point** | 212 ºF |
| **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* |
| **Vapor Pressure** | *No Data Available* |
| **Vapor Density** | *No Data Available* |
| **Density** | 1.0 g/ml |
| **Specific Gravity** | Approximately 1 [*Ref Std:*WATER=1] [*Details:*(Liquid fill only)] |
| **Solubility In Water** | Complete |
| **Solubility- non-water** | *No Data Available* |
| **Partition coefficient: n-octanol/ water** | *No Data Available* |
| **Autoignition temperature** | *Not Applicable* |
| **Decomposition temperature** | *No Data Available* |
| **Viscosity** | *No Data Available* |
| **Volatile Organic Compounds** | Approximately 10.2 % weight [*Details:*10.2 new formulation, 9.45 old formulation] |

| | |
|---|---|
| **Percent volatile** | Approximately 94.5 % weight |

## SECTION 10: Stability and reactivity

**10.1. Reactivity**
This material is considered to be non reactive under normal use conditions.

**10.2. Chemical stability**
Stable.

**10.3. Possibility of hazardous reactions**
Hazardous polymerization will not occur.

**10.4. Conditions to avoid**
None known.

**10.5. Incompatible materials**
None known.

**10.6. Hazardous decomposition products**

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

Refer to section 5.2 for hazardous decomposition products during combustion.

Extreme heat arising from situations such as misuse or equipment failure can generate hydrogen fluoride as a decomposition product.

## 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 labeling, 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:**
May cause additional health effects (see below).

**Skin Contact:**
Contact with the skin during product use is not expected to result in significant irritation.

**Eye Contact:**
Contact with the eyes during product use is not expected to result in significant irritation.

**Ingestion:**

No known health effects.

**Additional Health Effects:**

**Single exposure may cause target organ effects:**
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 >5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| ISOBUTANE | Inhalation-Gas (4 hours) | Rat | LC50 276,000 ppm |
| PETROLEUM GASES, LIQUEFIED, SWEETENED | Inhalation-Gas (4 hours) | Rat | LC50 277,000 ppm |
| MORPHOLINE | Dermal | Rabbit | LD50 310 mg/kg |
| MORPHOLINE | Inhalation-Vapor | Rat | LC50 estimated to be 10 - 20 mg/l |
| MORPHOLINE | Ingestion | Rat | LD50 1,050 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| ISOBUTANE | Professional judgement | No significant irritation |
| PETROLEUM GASES, LIQUEFIED, SWEETENED | Professional judgement | No significant irritation |
| MORPHOLINE | official classification | Corrosive |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| ISOBUTANE | Professional judgement | No significant irritation |
| PETROLEUM GASES, LIQUEFIED, SWEETENED | Professional judgement | No significant irritation |
| MORPHOLINE | Rabbit | Corrosive |

**Skin Sensitization**

| Name | Species | Value |
|---|---|---|
| MORPHOLINE | Guinea pig | Not classified |

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

**Germ Cell Mutagenicity**

| Name | Route | Value |
|---|---|---|
| ISOBUTANE | In Vitro | Not mutagenic |
| PETROLEUM GASES, LIQUEFIED, SWEETENED | In Vitro | Not mutagenic |
| MORPHOLINE | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| MORPHOLINE | In vivo | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| MORPHOLINE | Ingestion | Multiple animal species | Not carcinogenic |
| MORPHOLINE | Inhalation | Rat | Not carcinogenic |

**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 |
|---|---|---|---|---|---|---|
| ISOBUTANE | Inhalation | cardiac sensitization | Causes damage to organs | Multiple animal species | NOAEL Not available | |
| ISOBUTANE | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| ISOBUTANE | Inhalation | respiratory irritation | Not classified | Mouse | NOAEL Not available | |
| PETROLEUM GASES, LIQUEFIED, SWEETENED | Inhalation | cardiac sensitization | Causes damage to organs | similar compoun ds | 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 | |
| MORPHOLINE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| ISOBUTANE | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 4,500 ppm | 13 weeks |
| PETROLEUM GASES, LIQUEFIED, SWEETENED | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL Not available | |
| MORPHOLINE | Dermal | liver \| kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Guinea pig | LOAEL 900 mg/kg/day | 13 days |

| | | | | | | |
|---|---|---|---|---|---|---|
| MORPHOLINE | Dermal | hematopoietic system | Not classified | Guinea pig | NOAEL 900 mg/kg/day | 13 days |
| MORPHOLINE | Inhalation | eyes | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| MORPHOLINE | Inhalation | respiratory system | May cause damage to organs though prolonged or repeated exposure | Rat | NOAEL 0.09 mg/l | 13 weeks |
| MORPHOLINE | Inhalation | liver \| kidney and/or bladder | Not classified | Rat | LOAEL 64 mg/l | 5 days |
| MORPHOLINE | Inhalation | heart \| endocrine system | Not classified | Rat | NOAEL 0.9 mg/l | 13 weeks |
| MORPHOLINE | Inhalation | nervous system | Not classified | Rat | NOAEL 0.53 mg/l | 104 weeks |
| MORPHOLINE | Ingestion | kidney and/or bladder | May cause damage to organs though prolonged or repeated exposure | Rat | LOAEL 160 mg/kg/day | 30 days |
| MORPHOLINE | Ingestion | liver \| respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 160 mg/kg/day | 30 days |
| MORPHOLINE | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 800 mg/kg/day | 30 days |
| MORPHOLINE | Ingestion | endocrine system | Not classified | Rat | NOAEL 323 mg/kg/day | 4 weeks |

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

**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

### Ecotoxicological information

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

### Chemical fate information

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

## 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. 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.

**EPA Hazardous Waste Number (RCRA):** D001 (Ignitable)

## SECTION 14: Transport Information

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: Regulatory information

**15.1. US Federal Regulations**
This material contains one or more substances that are subject to a TSCA Consent Order. Contact 3M for more information.

**311/312 Hazard Categories:**

Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

**EPCRA 311/312 Hazard Classifications (effective January 1, 2018):**

| **Physical Hazards** |
|---|
| Flammable (gases, aerosols, liquids, or solids) |
| Gas under pressure |

| **Health Hazards** |
|---|
| Specific target organ toxicity (single or repeated exposure) |

**This material contains a chemical which requires export notification under TSCA Section 12[b]:**

| Ingredient (Category if applicable) | C.A.S. No | Regulation | Status |
|---|---|---|---|
| Fluorochemical Urethane (NJTS Reg. No. 04499600-7003) | Trade Secret | Toxic Substances Control Act (TSCA) 5 SNUR or Consent Order Chemicals | Applicable |

**15.2. State Regulations**
Contact 3M for more information.

**15.3. Chemical Inventories**
The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information.

The components of this product are in compliance with the chemical notification requirements of TSCA.

Contact 3M for more information.

**15.4. International Regulations**
Contact 3M for more information.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## SECTION 16: Other information

**NFPA Hazard Classification**
**Health:** 2 **Flammability:** 4 **Instability:** 0 **Special Hazards:** None
**Aerosol Storage Code:** 1

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

**HMIS Hazard Classification**
**Health:** 4 **Flammability:** 4 **Physical Hazard:** 0 **Personal Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

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|---|---|---|---|
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