



## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SCOTCHGARD (TM) HEAVY DUTY STAIN REMOVER

**MANUFACTURER:** 3M

**DIVISION:** Building & Commercial Services Division

**ADDRESS:** 3M Center  
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

**Issue Date:** 04/03/2007

**Supersedes Date:** 04/03/2007

**Document Group:** 10-2822-4

**Product Use:**

Intended Use: SPOT REMOVER FOR CARPET

### SECTION 2: INGREDIENTS

| <u>Ingredient</u>                             | <u>C.A.S. No.</u> | <u>% by Wt</u> |
|---|-------------------|----------------|
| WATER   | 7732-18-5         | 40 - 70        |
| TETRACHLOROETHYLENE                           | 127-18-4          | 7 - 13         |
| 2-BUTOXYETHANOL                               | 111-76-2          | 7 - 13         |
| PETROLEUM GASES, LIQUEFIED, SWEETENED         | 68476-86-8        | 7 - 13         |
| SODIUM LAURYL SULFATE                         | 151-21-3          | 3 - 7          |
| STYRENE MALEIC ANHYDRIDE RESIN, AMMONIUM SALT | 52720-34-0        | 1 - 5          |

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Aerosol

**Odor, Color, Grade:** Clear yellow liquid, mild odor

**General Physical Form:** Liquid

**Immediate health, physical, and environmental hazards:** Flammable liquid and vapor. Aerosol container contains flammable gas under pressure. Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Contains a chemical or chemicals which can cause cancer. May cause target organ effects.

## 3.2 POTENTIAL HEALTH EFFECTS

### Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

### Skin Contact:

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

### Inhalation:

Intentional concentration and inhalation may be harmful or fatal.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May be absorbed following inhalation and cause target organ effects.

### Ingestion:

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

May be absorbed following ingestion and cause target organ effects.

### 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.

Prolonged or repeated exposure may cause:

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

| <u>Ingredient</u>   | <u>C.A.S. No.</u> | <u>Class Description</u>     | <u>Regulation</u>                           |
|---------------------|-------------------|------------------------------|---|
| TETRACHLOROETHYLENE | 127-18-4          | Group 2A                     | International Agency for Research on Cancer |
| TETRACHLOROETHYLENE | 127-18-4          | Anticipated human carcinogen | National Toxicology Program Carcinogens     |

## SECTION 4: FIRST AID MEASURES

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are

followed.

**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes. If signs/symptoms persist, get medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

## 4.2 NOTE TO PHYSICIANS

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

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

**Autoignition temperature**

*No Data Available*

**Flash Point**

Approximately -127 °F [*Details:* Propellant, Liquid: > 190 F]

**Flammable Limits - LEL**

*No Data Available*

**Flammable Limits - UEL**

*No Data Available*

### 5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Flammable liquid and vapor. Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Aerosol container contains flammable material under pressure.

**Note:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. 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. Contain spill. For larger spills, cover drains and build

dikes to prevent entry into sewer systems or bodies of water. 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. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR - AFFF type foam is recommended. 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 toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue. Clean up residue with detergent and water. Place in a metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 HANDLING**

For industrial or professional use only. Keep out of the reach of children. Avoid breathing of vapors, mists or spray. Avoid skin contact. Avoid eye contact with vapors, mists, or spray. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Aerosol container contains flammable gas under pressure. Do not pierce or burn container, even after use. Do not spray near flames or sources of ignition. Avoid static discharge. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Avoid contact with oxidizing agents.

### **7.2 STORAGE**

Do not store containers on their sides. Store away from heat. Store out of direct sunlight. Store away from acids. Store away from oxidizing agents. Store below 120 F.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 ENGINEERING CONTROLS**

Use in a well-ventilated area. Do not use in a confined area or areas with little or no air movement.

### **8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)**

#### **8.2.1 Eye/Face Protection**

Avoid eye contact with vapors, mists, or spray.

The following eye protection(s) are recommended: Safety Glasses with side shields, Indirect Vented Goggles.

#### **8.2.2 Skin Protection**

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Gloves made from the following material(s) are recommended: Butyl Rubber, Nitrile Rubber, Polyvinyl Alcohol (PVA).

#### **8.2.3 Respiratory Protection**

Avoid breathing of vapors, mists or spray. Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

#### **8.2.4 Prevention of Swallowing**

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

### 8.3 EXPOSURE GUIDELINES

| <u>Ingredient</u>   | <u>Authority</u> | <u>Type</u>  | <u>Limit</u> | <u>Additional Information</u> |
|---------------------|------------------|--------------|--------------|-------------------------------|
| 2-BUTOXYETHANOL     | ACGIH            | TWA          | 20 ppm       | Table A3                      |
| 2-BUTOXYETHANOL     | OSHA             | TWA, Vacated | 25 ppm       | Skin Notation*                |
| 2-BUTOXYETHANOL     | OSHA             | TWA          | 50 ppm       | Skin Notation*; Table Z-1     |
| TETRACHLOROETHYLENE | ACGIH            | TWA          | 25 ppm       | Table A3                      |
| TETRACHLOROETHYLENE | ACGIH            | STEL         | 100 ppm      | Table A3                      |
| TETRACHLOROETHYLENE | OSHA             | TWA, Vacated | 25 ppm       |                               |
| TETRACHLOROETHYLENE | OSHA             | TWA          | 100 ppm      | Table Z-2                     |
| TETRACHLOROETHYLENE | OSHA             | CEIL         | 200 ppm      | Table Z-2                     |

\* Substance(s) refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

VAC Vacated PEL: Vacated Permissible Exposure Limits [PEL] are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

#### SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists

CMRG: Chemical Manufacturer Recommended Guideline

OSHA: Occupational Safety and Health Administration

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
|--|--|
| <b>Specific Physical Form:</b>                       | Aerosol  |
| <b>Odor, Color, Grade:</b>                           | Clear yellow liquid, mild odor                                       |
| <b>General Physical Form:</b>                        | Liquid   |
| <b>Autoignition temperature</b>                      | <i>No Data Available</i>   |
| <b>Flash Point</b>                                   | Approximately -127 °F [ <i>Details:</i> Propellant, Liquid: > 190 F] |
| <b>Flammable Limits - LEL</b>                        | <i>No Data Available</i>   |
| <b>Flammable Limits - UEL</b>                        | <i>No Data Available</i>   |
| <b>Boiling point</b>                                 | > 210 °F   |
| <b>Density</b>                                       | <i>No Data Available</i>   |
| <b>Vapor Density</b>                                 | <i>No Data Available</i>   |
| <b>Vapor Pressure</b>                                | <i>No Data Available</i>   |
| <b>Specific Gravity</b>                              | Approximately 1 [ <i>Ref Std:</i> WATER=1]                           |
| <b>pH</b>  | Approximately 10   |
| <b>Melting point</b>                                 | <i>Not Applicable</i>  |
| <b>Solubility in Water</b>                           | Complete   |
| <b>Evaporation rate</b>                              | <i>No Data Available</i>   |
| <b>Volatile Organic Compounds</b>                    | < 25 % [ <i>Test Method:</i> calculated per CARB title 2]            |
| <b>Percent volatile</b>                              | 60 - 100 %   |
| <b>VOC Less H<sub>2</sub>O &amp; Exempt Solvents</b> | < 646 g/l [ <i>Test Method:</i> calculated per CARB title 2]         |
| <b>Viscosity</b>                                     | <i>No Data Available</i>   |

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

**Materials and Conditions to Avoid:** Heat; Sparks and/or flames; Strong oxidizing agents; Strong acids

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition or By-Products**

| <u>Substance</u>              | <u>Condition</u> |
|-------------------------------|------------------|
| Carbon monoxide               | Not Specified    |
| Carbon dioxide                | Not Specified    |
| Hydrogen Chloride             | Not Specified    |
| Phosgene                      | Not Specified    |
| Oxides of Sulfur              | Not Specified    |
| Toxic Vapor, Gas, Particulate | Not Specified    |

**SECTION 11: TOXICOLOGICAL INFORMATION**

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION**

Not determined.

**CHEMICAL FATE INFORMATION**

Not determined.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

Facility must be capable of handling aerosol cans. Combustion products will include HCl. Facility must be capable of handling halogenated materials.

Dispose of empty product containers in a sanitary landfill.

**EPA Hazardous Waste Number (RCRA):** D001 (Ignitable), D039 (Tetrachloroethylene)

Since regulations vary, consult applicable regulations or authorities before disposal.

**SECTION 14: TRANSPORT INFORMATION**

ID Number

UPC

ID Number

UPC

70-0711-6296-3

00-48011-14004-4

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

#### 311/312 Hazard Categories:

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

#### Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

| <u>Ingredient</u>               | <u>C.A.S. No</u> | <u>% by Wt</u> |
|---------------------------------|------------------|----------------|
| TETRACHLOROETHYLENE             | 127-18-4         | 7 - 13         |
| 2-BUTOXYETHANOL (GLYCOL ETHERS) | 111-76-2         | 7 - 13         |

### STATE REGULATIONS

#### CALIFORNIA PROPOSITION 65

| <u>Ingredient</u>   | <u>C.A.S. No.</u> | <u>Classification</u> |
|---------------------|-------------------|-----------------------|
| TETRACHLOROETHYLENE | 127-18-4          | **Carcinogen          |

\*\* WARNING: contains a chemical which can cause cancer.

### CHEMICAL INVENTORIES

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

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

All the components of this product are listed on China's Inventory of Chemical Substances.

The components of this product are listed on the Canadian Domestic Substances List.

Contact 3M for more information.

### INTERNATIONAL REGULATIONS

This MSDS 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 **Reactivity:** 0 **Special Hazards:** None

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:** 2 **Flammability:** 4 **Reactivity:** 0 **Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS(r)) 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(r) ratings are to be used with a fully implemented HMIS(r) program. HMIS(r) is a registered mark of the National Paint and Coatings Association (NPCA).

**Reason for Reissue:** Complete review.

Revision Changes:

Section 2: Ingredient table was modified.

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