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Material Safety Data Sheet

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Prepared by: Environmental Health and Safety Services

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1 Product Identification

Tradename:

SCOTCHGARD(TM) HEAVY DUTY STAIN REMOVER

Product ID:

61-5000-0317-5 61-5000-6134-8 70-0709-9790-6

Intended Use of Product:

Carpet cleaner;

Division:

COMMERCIAL CARE DIVISION

2 Composition/Information on Ingredients

| Ingredient Name | CAS Number | Percentage |
|-----------------------|------------|------------|
| WATER | 7732-18-5 | 40 - 70 |
| TETRACHLOROETHYLENE | 127-18-4 | 7 - 13 |
| 2-BUTOXYETHANOL | 111-76-2 | 7 - 13 |
| ISOBUTANE | 75-28-5 | 5 - 10 |
| SODIUM LAURYL SULFATE | 151-21-3 | 3 - 7 |
| PROPANE | 74-98-6 | 1 - 5 |
| NOTE: | | |

Each percentage is expressed as the ratio of the weight of the

ingredient to the weight of the controlled product.

3 Hazards Identification

Critical Hazards:

Aerosol container contains flammable gas under pressure.

Harmful by inhalation.

Moderate Eye Irritation: Signs/symptoms may include redness,

swelling, pain, tearing, and blurred or hazy vision.

Moderate Skin

Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

May be absorbed through skin and cause target organ effects.

May be absorbed following inhalation and cause target organ effects.

WARNING: Contains a chemical which can cause

cancer. (127-18-4) (NTP anticipated human carcinogen, IARC possible human carcinogen 2B)

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get medical attention.

Instructions for Skin Contact:

Immediately flush skin with large amounts of water. If signs/symptoms develop, get medical attention.

Instructions for Inhalation:

If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, get medical attention.

Instructions for Ingestion:

Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5 Fire Fighting Measures

Flash point: Approx-88.33 C (propellent)

>87.78 C (liquid)

Lower Explosive Limit (%):

Upper Explosive Limit (%):

Autoignition temperature:

Not available

Not available

Suitable Extinguishing Media:

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

Exposure Hazards during Fire:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Combustion Products from Fire:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Hydrogen Chloride - During Combustion;

Phosgene - During Combustion;

Oxides of Sulfur - During Combustion;

Toxic Vapour, Gas, Particulate - During Combustion;

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 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.

NFPA: Health 2
NFPA: Fire 4
NFPA: Reactivity 0
NFPA: Unusual Reaction Hazard none

Special Instructions:

Aerosol container contains flammable material under pressure.

6 Accidental Release Measures

Personal Precautions:

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

Spill Response:

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. 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. Clean up residue.

7 Handling and Storage

Storage Requirements:

Do not store containers on their sides. Store at temperatures below 120 degrees F (49 degrees C).

Incompatible Materials:

Store away from heat. Store out of direct sunlight. Sparks and/or Flames; Store away from acids; Store away from oxidizing agents.

Ventilation:

No data available.

Fire Prevention:

Aerosol container contains flammable gas under pressure. Do not spray near flames or sources of ignition.

Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

Use Instructions:

Do not pierce or burn container, even after use. Avoid contact with oxidizing agents.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Indirect vented goggles;

Hand Protection:

The following glove material(s) are recommended: nitrile rubber; polyvinyl alcohol; fluoroelastomer (Viton);

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid breathing of vapours, mists or spray. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Fullface air-purifying respirator with organic vapour cartridges;

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep out of the reach of children.

Recommended Ventilation:

Do not use in a confined area or areas with little or no air movement. Use general dilution ventilation and/or local exhaust

ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

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Ingredient Exposure Data
______
  WATER (7732-18-5)
   LD50 (rat, oral): >90 ml/kg
     LC50 (rat, inhalation/4 hours)
   : No data available.
     Exposure Limits
   : No data available.
  TETRACHLOROETHYLENE (127-18-4)
  LD50 (rat, oral): 2629 mg/kg
  LC50 (rat, inhalation/4 hours): 5040 ppm
  Exposure Limits: ACGIH: TWA 685 mg/m3 100 ppm 170 mg/m3 25 ppm
   (Table A3)
  ACGIH: TWA (Table A3)
  ACGIH: STEL (Table A3)
  ACGIH: STEL (Table A3)
  2-BUTOXYETHANOL (111-76-2)
  LD50 (rat, oral): 470 mg/kg
  LD50 (dermal, rabbit): 99 mg/kg
  LC50 (rat, inhalation/4 hours): 450 ppm
   Exposure Limits: ACGIH: TWA (Table A3) 25 ppm
  ISOBUTANE (75-28-5)
     LD50 (rat, oral)
   : No data available.
     LC50 (rat, inhalation/4 hours)
   : No data available.
   Exposure Limits: 1000 ppm ACGIH: TWA
  SODIUM LAURYL SULFATE (151-21-3)
  LD50 (rat, oral): 1288 mg/kg
     LC50 (rat, inhalation/4 hours)
   : No data available.
     Exposure Limits
   : No data available.
  PROPANE (74-98-6)
   Specific Ingredient Data: No data available.
     LD50 (rat, oral)
   : No data available.
     LC50 (rat, inhalation/4 hours)
   : No data available.
   Exposure Limits: ACGIH: TWA 1000 ppm
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9 Physical and Chemical Properties

Physical form, Color, Odour: Aerosol; Gas; clear; mild

odour;

Odour Threshold: No data available.

pH: Approximately10 Boiling point/boiling range: >98.89 C

Melting point/melting range:

Not applicable

Vapour pressure:

Water Solubility:

No data available.

Complete

Specific gravity: Approx1 Water=1
Vapour density: No data available.

Volatile organic compounds: No data available control compounds: <25 % CARB

Evaporation rate:

Viscosity:

Percent Volatile:

Not available
60 -100 %

Other data: VOC DATA (Maximum VOC less

water and exempt compounds):
200 -700 qms/liter CARB

10 Stability and Reactivity

Conditions to Avoid:

Store away from heat. Store out of direct sunlight. Sparks and/or Flames;

Materials to Avoid:

Strong oxidizing agents; Strong acids;

Hazardous Decomposition:

Carbon monoxide - During Combustion; Carbon dioxide - During Combustion;

Hydrogen Chloride - During Combustion;

Phosgene - During Combustion;

Oxides of Sulfur - During Combustion;

Toxic Vapour, Gas, Particulate - During Combustion;

Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

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

Effects from Skin Contact:

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

May be absorbed through skin and cause target organ effects.

Effects from Inhalation:

Single exposure, above recommended guidelines, may cause: Upper 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.

Effects from Ingestion:

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

Chemical (Aspiration)

Pneumonitis: Signs/symptoms can include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish colored skin (cyanosis), and possibly death.

Sensitization Information:

No data available.

Carcinogenicity:

WARNING: Contains a chemical which can cause cancer. (127-18-4) (NTP anticipated human carcinogen, IARC possible human carcinogen 2B)

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

Other Effects & Information:

Single exposure, above recommended guidelines, may cause: 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, above recommended guidelines, may cause:

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

Kidney Effects: Signs/symptoms may include reduced or absent urine production, increased serum creatinine, lower back pain, increased protein in urine, and increased blood urea nitrogen (BUN).

12 Ecological Information

Environmental Data:

Persistence/Biodegradability:

The components labeled 'readily biodegradable' are expected to fully degrade in wastewater treatment and in most aerobic water or soil environments.

Bioaccumulation Potential:

The components labeled 'Log Kow <3i have measured or calculated log Kow values <3 indicating they are unlikely to bioconcentrate to high concentrations in aquatic organisms by partitioning into lipid tissues

Ecotoxicity Data:

This product is estimated to be harmful to aquatic organisms (10 mg/L < Lowest LC50, EC50, or IC50 < or = 100 mg/L). The estimate assumes no synergistic, antagonistic or nonadditive effects. Product toxicity was estimated using the following equation: (1/Product LC50, EC50, or IC50) = SUM (fi/li) from i = 1 to i = n for fi = fraction of component i in product, li = lowest LC50, EC50, IC50 of component i, n = number of components in product. In addition, the data set used for the calculation was incomplete. The product may be more toxic than indicated.

Ecofate Data:

Not determined.

Special statements for 2001/58/EC:

Handling this product according to recommendations is important to minimize release to the environment. It is recommended that the environmental information included in this section be used to help determine appropriate handling of this product for your uses. The following statements have been assigned based on the estimated environmental distribution as a result of product use. Additional information may be available but was not included for environmental compartments unlikely to be significantly affected. Use of this product is expected to result in the release of volatile organic compounds (VOCs) to the atmosphere. Regulations may restrict the release of VOCs because they contribute to the formation of smog and, to a lesser extent, to the formation of global warming gases. Releases should be minimized to the extent possible. Regulatory definitions for VOCs vary.

13 Disposal Considerations

Product as Sold:

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 HCI. Facility must be capable of handling halogenated materials.

Product Packaging:

No data available.

Special Instructions:

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

14 Transportation Information

2.1

Transportation of Dangerous Goods

TDG Classification: Consumer Commodity

Class/Division:

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification:

A, D1A, D2A, D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

TSCA - Toxic Substances Control Act (USA)

DSL - Domestic Substances List (Canada)

PICCS - Philippines Inventory of Commercial Chemical Substances

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised: Section 5 - Fire Fighting Measures Section 9 - Physical and Chemical Properties; WHMIS Classification change

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