

MATERIAL SAFETY DATA SHEET

Total Solutions
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GENERAL INFORMATION NUMBER: (414) 354-6417
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I - Product Identification

Carpet/Upholstery Spot Remover

PRODUCT CODE: 8410

CHEMICAL FORMULATION: Pressurized water based cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 2

REACTIVITY: 0

HAZARD RATING: 4 - Extreme;

3 - High;

2 - Moderate;

1 - Slight;

0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
2-Butoxyethanol	10.0-20.0	50 ppm (skin)	25 ppm (skin)	Y	N	Y	111-76-2
Liquid Petroleum Gas Mixture	5.00-10.0						
(n-Butane)	(48.0-55.0)	N/E	1000 ppm	N	N	N	106-97-8
(Propane)	(45.0-49.0)	1000 ppm	1000 ppm	N	N	N	74-98-6
(Isobutane)	(0.5-2.0)	N/E	1000 ppm				75-28-5

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

SPECIFIC GRAVITY (WATER = 1): 0.93

VAPOR PRESSURE (psig): 120-130 @ 130 F

VOC CONTENT (% by weight): <25.0

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Complete

pH: N/D

APPEARANCE AND ODOR: Aerosol spray with characteristic odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 154 (liquid component of aerosol) (TEST METHOD): TOC FLAME EXTENSION: N/D

FLAMMABLE LIMITS IN AIR (VOLUME %)(PROPELLANT) UPPER: 9.5 LOWER: 1.9

EXTINGUISHING MEDIA: Carbon dioxide, water spray, foam, or dry chemical. NFPA 30B Rating: 1

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure. Exposure to temperatures above 120° F may cause bursting.

V - Reactivity Data

STABILITY: Stable.

INCOMPATIBILITY: Strong acids.

CONDITIONS TO AVOID: Heat, sparks, open flame and flames Dropping of containers may cause bursting.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon, hydrocarbon vapors.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None.

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:**
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: May cause severe irritation.

IF ON SKIN: May cause mild irritation.

IF SWALLOWED: Irritation to mouth, throat and stomach. May cause dizziness, faintness, headaches and incoordination.

IF INHALED: Irritation to eyes, nose and upper respiratory tract. May cause dizziness, headaches and incoordination.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Flush skin with water while removing contaminated clothing. Wash skin with soap and water. Launder clothing separately before reuse. If irritation persists, obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Rinse mouth with water. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything to an unconscious person.

IF INHALED: Remove person to fresh air. If breathing has stopped, administer artificial respiration . If irritation persists, obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Extinguish all sources of ignition. Contain spill and soak up material with inert absorbent material and place in a labeled closed container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: None required if good ventilation is maintained. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: None.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat, sparks or open flame. Wash hands before eating or smoking. Do not store at temperatures above 120 F.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information (ground transportation only)

DOT ID #: None

DOT PROPER SHIPPING NAME: Consumer Commodity.

DOT CLASS: ORM-D

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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