

3M General Offices  
3M Center  
St. Paul, Minnesota 55144-1000  
612/733-1110

00-20  
120

MATERIAL SAFETY  
DATA SHEET



DIVISION: HOME AND COMMERCIAL CARE DIVISION  
TRADE NAME:  
3M Brand Carpet Spot Remover & Upholstery Cleaner

3M I.D. NUMBER: XN-1014-3527-1 61-5000-0319-1 61-5000-6133-0

ISSUED: SEPTEMBER 14, 1993  
SUPERSEDES: FEBRUARY 14, 1992  
DOCUMENT: 10-2821-6

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER .....	7732-18-5	60 - 90
PROPANE .....	74-98-6	3 - 7
2-BUTOXYETHANOL .....	111-76-2	1 - 5
SODIUM OLEYLMETHYLTAURIDE .....	137-20-2	1 - 5
MALEIC ANHYDRIDE-STYRENE COPOLYMER AMMONIUM SALT .....	26022-09-3	1 - 5
ISOBUTANE .....	75-28-5	0.5 - 1.5

NOTE: IN CASE OF EMERGENCY: THE NUMBER AT THE TOP OF THIS PAGE PROVIDES 24 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

2-BUTOXYETHANOL

2. PHYSICAL DATA

BOILING POINT:..... ca. 212 F  
VAPOR PRESSURE:..... N/D  
VAPOR DENSITY:..... N/D  
EVAPORATION RATE:..... N/D  
SOLUBILITY IN WATER:..... complete  
SP. GRAVITY:..... ca. 1 Water = 1  
PERCENT VOLATILE:..... ca. 90 %  
VOLATILE ORGANICS:..... 60-70 gms/liter SAQMD  
Rule 443.1, calculated  
VOC LESS H2O & EXEMPT SOLVENT N/D  
pH:..... ca. 9.2  
VISCOSITY:..... N/D  
MELTING POINT..... N/D  
APPEARANCE AND ODOR: Aerosol. liquid, clear, mild odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL:..... N/D  
FLAMMABLE LIMITS - UEL:..... N/D  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
Water spray, Carbon dioxide, Dry chemical, Foam  
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.

Abbreviations: N/D - Not Determined N/A - Not Applicable

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**3. FIRE AND EXPLOSION HAZARD DATA (continued)**

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**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

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

**NFPA-HAZARD-CODES: HEALTH 1 FIRE 1 REACTIVITY 1**  
**UNUSUAL REACTION HAZARD: none**

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**4. REACTIVITY DATA**

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**STABILITY:** Stable

**INCOMPATIBILITY - MATERIALS TO AVOID:**

Heat

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon Monoxide and Carbon Dioxide

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Ventilate area. Collect spilled material. Clean up residue with water. Place in a U.S. DOT-approved container and seal.

**RECOMMENDED DISPOSAL:**

Flush spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Reduce discharge rate if foaming occurs. Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Do not puncture or burn cans in a household incinerator. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill.

**ENVIRONMENTAL DATA:**

Not determined.

**REGULATORY INFORMATION:**

U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous). Since regulations vary, consult applicable regulations or authorities before disposal.

All chemicals used in the manufacture of this material are listed on the following chemical inventories: AICS (Australia), CDSL (Canada), EINECS (Europe), Korea, TSCA (U.S.)

**SARA HAZARD CLASS:**

**FIRE HAZARD:** No **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

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**6. SUGGESTED FIRST AID**

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**EYE CONTACT:**

Immediately flush eyes with large amounts of water. Get immediate

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**6. SUGGESTED FIRST AID (continued)**

medical attention.

**SKIN CONTACT:**

Flush skin with large amounts of water. If irritation persists, get medical attention.

**INHALATION:**

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

**IF SWALLOWED:**

Do not induce vomiting. Drink two glasses of water. Call a physician.

**7. PRECAUTIONARY INFORMATION**

**EYE PROTECTION:**

Avoid eye contact.

**SKIN PROTECTION:**

Avoid prolonged or repeated skin contact..

**VENTILATION PROTECTION:**

Use in a well-ventilated area.

**RESPIRATORY PROTECTION:**

Avoid prolonged inhalation of spray or mists..

**PREVENTION OF ACCIDENTAL INGESTION:**

Do not ingest.

**RECOMMENDED STORAGE:**

Store at temperatures below 120 degrees F (49 degrees C). Keep out of the reach of children.

**FIRE AND EXPLOSION AVOIDANCE:**

Aerosol container contains flammable gas under pressure. Do not pierce or burn container, even after use.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
WATER .....	NONE	NONE	NONE	NONE	
PROPANE .....	1000	ppm	TWA	OSHA	
PROPANE .....	NONE	NONE	NONE	ACGIH	
		Simple asphyxiant			
2-BUTOXYETHANOL .....	25	ppm	TWA	ACGIH	Y
2-BUTOXYETHANOL .....	25	ppm	TWA	OSHA	Y
SODIUM OLEYLMETHYLTAURIDE .....	NONE	NONE	NONE	NONE	
MALEIC ANHYDRIDE-STYRENE COPOLYMER					
AMMONIUM SALT .....	NONE	NONE	NONE	NONE	
ISOBUTANE .....	NONE	NONE	NONE	NONE	

\* SKIN NOTATION: Listed substances indicated with "Y" under SKIN 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.

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**7. PRECAUTIONARY INFORMATION (CONTINUED)**

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**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

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**8. HEALTH HAZARD DATA**

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**EYE CONTACT:**

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

**SKIN CONTACT:**

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin.

**INHALATION:**

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

**IF SWALLOWED:**

Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

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**SECTION CHANGE DATES**

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HEADING	SECTION CHANGED SINCE	FEBRUARY 14, 1992	ISSUE
INGREDIENTS	SECTION CHANGED SINCE	FEBRUARY 14, 1992	ISSUE
FIRE & EXP. DATA	SECTION CHANGED SINCE	FEBRUARY 14, 1992	ISSUE
REACTIVITY DATA	SECTION CHANGED SINCE	FEBRUARY 14, 1992	ISSUE
ENVIRON. DATA	SECTION CHANGED SINCE	FEBRUARY 14, 1992	ISSUE
FIRST AID	SECTION CHANGED SINCE	FEBRUARY 14, 1992	ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	FEBRUARY 14, 1992	ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	FEBRUARY 14, 1992	ISSUE

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Abbreviations: N/D - Not Determined N/A - Not Applicable

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.