

MATERIAL SAFETY 3M  
DATA SHEET 3M Center  
St. Paul, Minnesota  
55144-1000  
1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: COMMERCIAL CARE DIVISION  
TRADE NAME:  
3M Brand 303 DRI-STRIP  
ID NUMBER/U.P.C. :  
61-5000-0312-6 00-48011-08108-3 61-5000-6130-6 00-48011-14000-1  
FZ-0100-0476-5 - - -  
ISSUED: November 17, 2000  
SUPERSEDES: October 13, 1998  
DOCUMENT: 10-2817-4

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER.....	7732-18-5	60 - 90
2-BUTOXYETHANOL.....	111-76-2	7 - 13
ISOBUTANE.....	75-28-5	5 - 10
ETHANOLAMINE.....	141-43-5	< 1

IN CASE OF EMERGENCY: THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 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 Emergency  
Planning and Community Right-To-Know 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
SPECIFIC GRAVITY:..... 0.99 Water=1
PERCENT VOLATILE:..... > 99 %
pH:..... ca. 11
VISCOSITY:..... < 100 centipoise
MELTING POINT:..... N/D

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

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2. PHYSICAL DATA (continued)  
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APPEARANCE AND ODOR:  
Aerosol, liquid, clear, mild odor

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... 196 F TOC  
(Above for liquid; propellant < 0 F)  
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.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
Closed containers exposed to heat from fire may build pressure and  
explode.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 2 REACTIVITY: 0 AEROSOL STORAGE: 1  
UNUSUAL REACTION HAZARD: none

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:  
Heat.

HAZARDOUS POLYMERIZATION: 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. Ventilate area. Extinguish all ignition sources. Contain spill. Evacuate unprotected personnel from hazard area. Cover with absorbent material. Cover spill area with Light Water Brand or other ATC foam. (For further information on ATC foam usage, contact 3M Fire Protection Systems.) Collect using non-sparking tools. Clean up residue. Place in an approved metal container. Seal the container. Place leaking containers in a well-ventilated area, preferably in an exhaust hood, if available, or outdoors.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator. 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:

Volatile Organic Compounds: ca. 190 gms/liter South Coast Air Quality Mgmt  
Dist Method Rule 443.1, calculated.  
Volatile Organic Compounds: 20 % by wt.  
VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

All chemicals used in the manufacture of this material are listed on the following chemical inventories: TSCA

EPCRA 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 medical attention.

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6. SUGGESTED FIRST AID (continued)  
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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:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:

Avoid eye contact with vapor, spray, or mist. Wear unvented goggles during operations in which exposure is likely.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber.

RECOMMENDED VENTILATION:

Do not use in a confined area or areas with little or no air movement. Use in a well-ventilated area. Use with adequate dilution ventilation. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Avoid breathing of airborne material. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

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

RECOMMENDED STORAGE:

Store away from areas where product may come into contact with food or pharmaceuticals. Store at temperatures below 120 degrees F (49 degrees C). Keep out of the reach of children.

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7. PRECAUTIONARY INFORMATION (continued)  
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FIRE AND EXPLOSION AVOIDANCE:

Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, and other sources of ignition. Do not pierce or burn container, even after use.

OTHER PRECAUTIONARY INFORMATION:

Not intended for consumer sale or use.

HMIS HAZARD RATINGS: HEALTH: 0 FLAMMABILITY: 2 REACTIVITY: 0  
PERSONAL PROTECTION: X (See precautions, section 7.)

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WATER.....	NONE	NONE	NONE	NONE	
2-BUTOXYETHANOL.....	25	PPM	TWA	ACGIH	Y
2-BUTOXYETHANOL.....	25	PPM	TWA	OSHAV	Y
		OSHA VACATED PEL			
2-BUTOXYETHANOL.....	50	PPM	TWA	OSHA	Y
ISOBUTANE.....	NONE	NONE	NONE	NONE	
ETHANOLAMINE.....	3	PPM	TWA	ACGIH	
ETHANOLAMINE.....	6	PPM	STEL	ACGIH	
ETHANOLAMINE.....	3	PPM	TWA	OSHA	
ETHANOLAMINE.....	6	PPM	STEL	OSHA	
ETHANOLAMINE.....	6	MG/M3	TWA	OSHA	

\* 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.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL. Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.
- 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.

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8. HEALTH HAZARD DATA (continued)  
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SKIN CONTACT:

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

May be absorbed through the skin and produce effects similiar to  
those caused by inhalation and/or ingestion.

INHALATION:

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

Single overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include  
headache, dizziness, drowsiness, incoordination, slowed reaction  
time, slurred speech, giddiness and unconsciousness.

IF SWALLOWED:

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

Ingestion may cause:

Central Nervous System Depression: signs/symptoms can include  
headache, dizziness, drowsiness, muscular weakness,  
incoordination, slowed reaction time, fatigue, blurred vision,  
slurred speech, giddiness, tremors and convulsions.

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SECTION CHANGE DATES  
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INGREDIENTS SECTION CHANGED SINCE October 13, 1998 ISSUE  
PRECAUTIONARY INFO. SECTION CHANGED SINCE October 13, 1998 ISSUE

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