

MATERIAL SAFETY  
DATA SHEET**3M**

Copyright, 1997, Minnesota Mining and Manufacturing Company.  
All rights reserved. Copying and/or downloading of this information for  
the purpose of properly utilizing 3M products is allowed provided that:  
1) the information is copied in full with no changes unless prior agreement  
is obtained from 3M, and  
2) neither the copy nor the original is resold or otherwise distributed with  
the intention of earning a profit thereon.

DIVISION: HOME AND COMMERCIAL CARE DIVISION

TRADE NAME:

3M Brand DEODORIZER - MOUNTAIN SPICE - CONCENTRATE .....  
(Product No. 14, Twist 'n Fill (tm) System)

ID NUMBER/U.P.C.: 70-0706-3515-9 00-48011-20120-2 70-0707-1410-3 00-48011-20798-3

ISSUED: MARCH 4, 1997

SUPERSEDES: DECEMBER 18, 1996

DOCUMENT: 06-8476-1

1. INGREDIENT	C.A.S. NO.	PERCENT
POLYALKOXY ALCOHOLS .....	69013-18-9	30 - 60
FRAGRANCE .....	TradeSecret	10 - 30
WATER .....	7732-18-5	10 - 30
SORBITAN POLYETHOXY MONOLAUROATE .....	9005-64-5	10 - 30
1-METHOXY-2-PROPANOL .....	107-98-2	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.

## 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. 50 %  
pH:..... 6-7  
VISCOSITY:..... < 100 CPS  
MELTING POINT..... N/A  
APPEARANCE AND ODOR: Liquid, clear; dark green color; strong spicy fragrance

## 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... > 212 F T.C.C.  
FLAMMABLE LIMITS - LEL:..... N/D  
FLAMMABLE LIMITS - UEL:..... N/D  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
Water, Carbon dioxide, Dry chemical, Foam  
SPECIAL FIRE FIGHTING PROCEDURES:  
Wear full protective clothing, including helmet, self-contained,

MATERIAL SAFETY  
DATA SHEET

MSDS: 3M Brand DEODORIZER - MOUNTAIN SPICE - CONCENTRATE .....  
(Product No. 14, Twist 'n Fill (tm) System)  
MARCH 4, 1997

PAGE: 2 of 5

---

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

---

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.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

No unusual fire or explosion hazards are anticipated.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

---

**4. REACTIVITY DATA**

---

STABILITY: Stable

**INCOMPATIBILITY - MATERIALS TO AVOID:**

Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon Monoxide and Carbon Dioxide, Irritant Vapors or Gases.

---

**5. ENVIRONMENTAL INFORMATION**

---

**SPILL RESPONSE:**

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

**RECOMMENDED DISPOSAL:**

Discharge spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Incinerate large quantities in an industrial or commercial incinerator.

**ENVIRONMENTAL DATA:**

Not determined.

**REGULATORY INFORMATION:**

Volatile Organic Compounds: ca. 25 %.

VOC Less H2O & Exempt Solvents: N/D.

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

TSCA: All components used in the manufacture of this material are in compliance with the US TSCA inventory.

**EPCRA HAZARD CLASS:**

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

MATERIAL SAFETY  
DATA SHEET

MSDS: 3M Brand DEODORIZER - MOUNTAIN SPICE - CONCENTRATE .....  
(Product No. 14, Twist 'n Fill (tm) System)  
MARCH 4, 1997

PAGE: 3 of 5

**6. SUGGESTED FIRST AID****EYE CONTACT:**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate 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:**

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, eye contact with the concentrate is not expected to occur. Avoid eye contact. Wear vented goggles.

**SKIN PROTECTION:**

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, skin contact with the concentrate is not expected to occur. Avoid skin contact.

**VENTILATION PROTECTION:**

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, special ventilation is not required. Use in a well-ventilated area.

**RESPIRATORY PROTECTION:**

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, respiratory protection is not required. Avoid breathing of vapors, mists or spray.

**PREVENTION OF ACCIDENTAL INGESTION:**

Wash hands after handling and before eating.

**RECOMMENDED STORAGE:**

Store away from heat. Keep container in well-ventilated area. Keep out of the reach of children.

**FIRE AND EXPLOSION AVOIDANCE:**

Keep container tightly closed.

**OTHER PRECAUTIONARY INFORMATION:**

Not intended for consumer sale or use. This product is not intended to be used without prior dilution as specified on the product label.



MATERIAL SAFETY  
DATA SHEET

MSDS: 3M Brand DEODORIZER - MOUNTAIN SPICE - CONCENTRATE .....  
 (Product No. 14, Twist 'n Fill (tm) System)  
 MARCH 4, 1997

PAGE: 4 of 5

**7. PRECAUTIONARY INFORMATION (continued)**

HMIS HAZARD RATINGS: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0  
 PERSONAL PROTECTION: X (See precautions, section 7.)

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
POLYALKOXY ALCOHOLS .....	NONE	NONE	NONE	NONE	NONE
FRAGRANCE .....	NONE	NONE	NONE	NONE	NONE
WATER .....	NONE	NONE	NONE	NONE	NONE
SORBITAN POLYETHOXY MONOLAUATE .....	NONE	NONE	NONE	NONE	NONE
1-METHOXY-2-PROPANOL .....	100	ppm	TWA	ACGIH	
1-METHOXY-2-PROPANOL .....	150	ppm	STEL	ACGIH	
1-METHOXY-2-PROPANOL .....	100	ppm	TWA	OSHA	
1-METHOXY-2-PROPANOL .....	150	ppm	STEL	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
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

**8. HEALTH HAZARD DATA****EYE CONTACT:**

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

**SKIN CONTACT:**

Lung Inflammation: Product contains surfactants which have been shown in animal studies to cause lung inflammation resulting from prolonged skin contact. Signs/symptoms can include coughing and shortness of breath.

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

May be absorbed through the skin in harmful amounts.

**INHALATION:**

Single overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include

MATERIAL SAFETY  
DATA SHEET

MSDS: 3M Brand DEODORIZER - MOUNTAIN SPICE - CONCENTRATE .....  
(Product No. 14, Twist 'n Fill (tm) System)  
MARCH 4, 1997

PAGE: 5 of 5

---

**8. HEALTH HAZARD DATA (continued)**

---

headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

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

**IF SWALLOWED:**

Ingestion is not a likely route of exposure to this product.

Ingestion may cause:

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

**OTHER HEALTH HAZARD INFORMATION:**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: medical conditions, if any, known to be aggravated by exposure to this product are indicated in the appropriate portions of the Health Hazard Data section of this data sheet.

CARCINOGENS: components of this product, if any, known to cause, or suspected of causing, cancer as determined by OSHA, IARC, or NTP are described in the Health Hazard Data section of this data sheet in accord with the OSHA Hazard Communications Standard, 29 CFR 1910.1200

---

**SECTION CHANGE DATES**

---

HEADING	SECTION CHANGED SINCE	DECEMBER 18, 1996 ISSUE
---------	-----------------------	-------------------------

---

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

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

