3M Center St. Paul, MN 55144-1000 1-800-364-3577 or (651) 737-6501 (24 hours)

MATERIAL SAFETY DATA SHEET



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

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

FLAMMABLE LIMITS - UEL: ..... Flammable Gas AUTOIGNITION TEMPERATURE: .... N/D EXTINGUISHING MEDIA: Water spray, Carbon dioxide. Dry chemical, Foam SPECIAL FIRE FIGHTING PROCEDURES: 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. Water may not effectively extinguish fire; however, it should be used to keep fireexposed 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. Vapors may travel long distances along the ground or floor to an ignition source and flash back. NFPA HAZARD CODES: HEALTH: 2 FIRE: 4 REACTIVIT UNUSUAL REACTION HAZARD: none REACTIVITY: 0

4. REACTIVITY DATA

STABILITY: Stable INCOMPATIBILITY - MATERIALS TO AVOID: Heat. HAZARDOUS POLYMERIZATION: Will Not Decur HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Carbon Dioxide, Toxic Vapors, Gases or Particulates.

#### 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. Ventilate area. Extinguish all ignition sources. Cover with absorbent material. Collect using nonsparking tools. Place in a U.S. DDT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes.

ENVIRONMENTAL DATA: Not determined

REGULATORY INFORMATION: Volatile Organic Compounds ca 86 % (619 g/l) SCAQMD Rule 443.1, calculated. VOC Less H20 & Exempt Solvents, ca 86 % (619 g/l) SCAQMD Rule 443.1, 3M Center SF Paul, MN 55144-1000 1-800-364-3577 or (651) 737-6501 (24 hours) 00-37 2173

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5. ENVIRONMENTAL INFORMATION (continued)

calculated.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = DOOl (Ignitable)

EPCRA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT: Immediately flush eyes with large amounts of water. Get immediate medical attention.

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

INHALATION: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED: Do not induce vomiting, Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION: Avoid eye contact with vapor, spray, or mist. Wear vented goggles. Wear safefy glasses with side shields. SKIN PROTECTION: Avoid prolonged or repeated skin contact. Wear appropriate gloves when bodding this retenies? A neit of slower and fore the

when handling this material. A pair of gloves made from the following material(s) are recommended: nitrile rubber, polyethyleme/ethyleme vinyl alcohol, polytetrafluoroethyleme (Teflon).

YENTILATION PROTECTION: Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

RESPIRATORY PROTECTION: Avoid breathing of vapors, mists or spray.

PREVENTION OF ACCIDENTAL INGESTION: Do not ingest.

RECOMMENDED STORAGE: Store at temperatures below 120 degrees F (49 degrees C). Keep out

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#### 7. PRECAUTIONARY INFORMATION (continued)

#### of the reach of children

#### FIRE AND EXPLOSION AVOIDANCE:

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

## EXPOSURE LIMITS

	EXPOSURE LIMIT	s				
INGREDIENTS		VALUE_	UNIT	TYPE	AUTH	SKIN*
VM AND P NAPHTHA		100	ppm	TWA	CMRG	
VM AND P NAPHTHA		300	ppm	TWA	ACGIH	
VM AND P NAPHTHA		300	PPM	TWA	OSHA	
KEROSENE		500	ppm	TWA	CMRG	
PROPANE		1000	ppm	TWA	OSHA	
PROPANE		NONE	NONE	NONE	ACGIH	
Simple asphyxiant						
ISOBUTANE		NONE	NONE	NONE	NONE	
PETROLEUM DISTILLATE		5	mg/m3	TWA	CMRG	
PETROLEUM DISTILLATE		10,	mg∕m3	STEL	CMRG	
oleic acid ester - Vendo	or Trade		-			
Secret (V.T.S.) ++		NONE	NONE	NONE	NONE	
2-BUTOXYETHANOL		25	ppm	TWA	ACGIH	Ŷ
2-BUTOXYETHANOL		25	ppm	TWA	OSHA	Y

\* 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 Hygine Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- 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: Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching. INHALATION: Intentional concentration and inhalation may be harmful or fatal.

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

Central Nervous System Depression: signs/symptoms can include 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.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF 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.

### SECTION CHANGE DATES

#### HEADING

SECTION CHANGED SINCE AUGUST 29, 1996 ISSUE

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