

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 612/733-1110
 Duns No.: 00-617-3082

03-54
 4280

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES
 TRADE NAME:
 3M Woodgrain and Stripe Adh. Remover PN 08908
 3M I.D. NUMBER: CS-0406-2027-3 62-4962-4919-4

ISSUED: APRIL 12, 1990
 SUPERSEDES: DECEMBER 4, 1989
 DOCUMENT: 10-8124-9

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE VALUE UNIT	LIMITS TYPE AUTH
isopropyl alcohol	67-63-0	40.0 - 50.0	400 ppm	TWA ACGIH
naphthol spirits	64742-48-9	30.0 - 40.0	300 ppm	TWA CMRG
propane	74-98-6	10.0 - 20.0	1000 ppm	TWA OSHA
amorphous silica	7631-86-9	1.0 - 10.0	3 mg/m ³	TWA ACGIH
ethylene glycol	107-21-1	1.0 - 10.0	50 NONE	NONE ACGIH

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines

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:
 ethylene glycol

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas
 VAPOR PRESSURE:..... Compressed gas
 VAPOR DENSITY:..... 2.07 Air = 1
 EVAPORATION RATE:..... 7.70 Ether = 1
 SOLUBILITY IN WATER:..... Very slight
 SP. GRAVITY:..... N/A
 PERCENT VOLATILE:..... 92.00 %
 VOLATILE ORGANICS:..... 699.00 gm/l
 pH:..... N/A
 VISCOSITY:..... N/A
 APPEARANCE AND ODOR: Liquid in aerosol container, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F
 FLAMMABLE LIMITS - LEL:..... 2.50 %
 FLAMMABLE LIMITS - UEL:..... ----
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 CO2, foam, dry chemical
 SPECIAL FIRE FIGHTING PROCEDURES:
 Treat as a pressurized product. Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Extremely flammable. Treat as a pressurized container. Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.
 NFPA-HAZARD-CODES: HEALTH 1 FIRE 4 REACTIVITY 0
 UNUSUAL REACTION HAZARD: None

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

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4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
N/A
CONDITIONS TO AVOID: Pressurized container -- Do not store above 120F. Do not puncture or incinerate.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO2 and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
If cans rupture: Extinguish all ignition sources. Ventilate the area. Observe the precautions from other sections. Contain the spill. Cover with absorbent materials as needed. Collect spilled material. Place in a U.S. Department of Transportation - approved metal container, and seal.

RECOMMENDED DISPOSAL:
Incinerate absorbed and partially full cans after mixing with flammable material in a licensed hazardous waste facility. The facility must be capable of handling aerosol cans. Do not puncture or burn cans in a household incinerator. Dispose of empty cans in a sanitary landfill. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste No.: D001 (Ignitable).

ENVIRONMENTAL DATA:
Volatile Organic Compound (VOC):
Maximum VOC = 699 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 699 grams/liter.
VOC's were calculated according to Rule 443.1 of the South Coast Air Quality Management District (SCAQMD).

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

6. SUGGESTED FIRST AID

EYE CONTACT:
Flush eyes immediately with plenty of water for at least 10 minutes.
Call a physician.

SKIN CONTACT:
Wash area with soap and water.

INHALATION:
Provide fresh air. Call a physician.

IF SWALLOWED:
Do not induce vomiting. Immediately call a physician or poison

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6. SUGGESTED FIRST AID (continued)

control center.

OTHER FIRST AID:
NONE

7. PRECAUTIONARY INFORMATION

Keep product and its vapor away from heat, sparks, flame, and other sources of ignition. Extinguish and do not ignite any flame in the immediate work area. The vapors released by this product can be ignited easily and burn explosively. Avoid prolonged breathing vapor and spray (airborne product particles). Use only in areas with sufficient ventilation to maintain vapor and spray concentrations below recommended exposure limits. Prevent eye and skin contact. Wear protective equipment when handling this product, i.e. chemical goggles or safety glasses and impervious gloves. Do not puncture or incinerate container. Do not store at temperatures above 120F. Use only as directed. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents can be harmful or fatal. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
isopropyl alcohol	980	mg/m3	TWA	ACGIH
isopropyl alcohol	500	ppm	STEL	ACGIH
isopropyl alcohol	1225	mg/m3	STEL	ACGIH
isopropyl alcohol	400	ppm	TWA	OSHA
isopropyl alcohol	980	mg/m3	TWA	OSHA
isopropyl alcohol	500	ppm	STEL	OSHA
isopropyl alcohol	1225	mg/m3	STEL	OSHA
naphthol spirits	1900	mg/m3	TWA	CMRG
propane	1800	mg/m3	TWA	OSHA
amorphous silica	6	mg/m3	TWA	ACGIH
ethylene glycol	125	mg/m3	CEIL	ACGIH
ethylene glycol	50	NONE	NONE	OSHA
ethylene glycol	125	mg/m3	CEIL	OSHA

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines

8. HEALTH HAZARD DATA

EYE CONTACT: Vapor and liquid may cause irritation.

SKIN CONTACT: Liquid may cause skin irritation leading to dryness and cracking; in rare occasions, may cause an allergic reaction.

INHALATION: Overexposures to vapor concentrations exceeding the recommended exposure limits may cause respiratory irritation and

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8. HEALTH HAZARD DATA (continued)

temporary nervous system impairment. Repeated or extreme overexposures may cause liver and kidney damage. Symptoms of overexposure include dizziness, headache, nausea, vomiting, abdominal pain, and loss of consciousness. Chronic overexposure to ethylene glycol has caused blood changes and kidney and liver damage in laboratory animals. Extreme overexposure may also cause confusion and drowsiness, and in the extreme may cause coma and death.

INGESTION: Accidental ingestion from an aerosol container is unlikely. Intentional concentration and swallowing may cause digestive system irritation, kidney damage and nervous system damage. Symptoms include abdominal pain, dizziness, vomiting, loss of coordination, malaise, backache. Extreme overexposure may cause convulsions, accumulation of fluid in the lungs, blood changes, protein and oxalate crystals in urine, loss of consciousness and death. Solvent aspiration into the lungs due to vomiting may cause lung damage and in the extreme, death.

SECTION CHANGE DATES

HEADING

SECTION CHANGED SINCE DECEMBER 4, 1989 ISSUE

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

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.