

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

00-31
 381

Duns No.: 00-617-3082

MATERIAL SAFETY
 DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS
 TRADE NAME:
 3M Brushable Seam Sealer (Part No. 8655)
 3M I.D. NUMBER: 62-5507-4309-0

ISSUED: MARCH 27, 1989
 SUPERSEDES: AUGUST 22, 1988
 DOCUMENT: 10-2774-7

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
toluene	108-88-3	20.0 - 30.0	100	ppm	TWA	ACGIH
methyl isobutyl ketone	108-10-1	10.0 - 20.0	50	ppm	TWA	ACGIH
acrylonitrile - butadiene polymer	9003-18-3	10.0 - 20.0	NONE	NONE	NONE	NONE
magnesium resinate	68611-24-5	10.0 - 20.0	NONE	NONE	NONE	NONE
talc	14807-96-6	10.0 - 20.0	2	mg/m ³	TWA	ACGIH
zinc salicylate	16283-36-6	1.0 - 10.0	NONE	NONE	NONE	NONE
ethylene glycol	107-21-1	1.0 - 10.0	50	ppm	CEIL	ACGIH
titanium dioxide	13463-67-7	1.0 - 10.0	10	mg/m ³	TWA	ACGIH

SOURCE OF EXPOSURE LIMIT DATA:
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... 232.00 F
 VAPOR PRESSURE:..... 25.0000 mmHg
 @ 68F
 VAPOR DENSITY: 3.30 Air = 1
 EVAPORATION RATE:..... 5.00 Ether = 1
 SOLUBILITY IN WATER: Nil
 SP. GRAVITY:..... 0.990 Water = 1
 PERCENT VOLATILE: 55.00 %
 VOLATILE ORGANICS: 680.00 gm/l
 pH: N/A
 VISCOSITY: Paste
 APPEARANCE AND ODOR: Gray, paste, characteristic toluene odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 40.00 F
 FLAMMABLE LIMITS - LEL: 1.27 %
 FLAMMABLE LIMITS - UEL: 7.00 %
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 CO₂, foam, dry chemical
 SPECIAL FIRE FIGHTING PROCEDURES:
 Fire fighters should be equipped with self-contained breathing
 apparatus when fighting fires involving this material.
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Flammable. Overheated, closed containers adjacent to fire could
 explode due to pressure buildup.
 NFPA-HAZARD-CODES: HEALTH 2 FIRE 3 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
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO2 and N decomposition products.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Extinguish all ignition sources. Ventilate the area. Observe the precautions from other sections. Collect spilled material. Place in a U.S. Department of Transportation - approved metal container, and seal.

RECOMMENDED DISPOSAL:

Incinerate bulk product after mixing with flammable material in a licensed hazardous waste facility. Disposal should be in accordance with applicable regulations.
U.S. EPA Hazardous Waste No.: D001 (Ignitable).

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):
Maximum VOC = 680 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 680 grams/liter.

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 10 minutes and call a physician.

SKIN CONTACT:

Wash affected area with soap and water. Call a physician.

INHALATION:

Move affected person to fresh air at once. Call a physician.

IF SWALLOWED:

Do not induce vomiting. Immediately call a physician or poison control center.

OTHER FIRST AID:

NONE

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7. PRECAUTIONARY INFORMATION

Keep away from heat, sparks, flame and other sources of ignition. The vapors released by the product can be ignited easily. Use only in areas with sufficient ventilation to maintain vapor concentrations below the recommended exposure limits. Prevent eye contact; wear chemical goggles or safety glasses. Avoid skin contact; wear impervious gloves when handling product. Avoid prolonged breathing of vapors. Keep container tightly capped when not in use. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS	
	VALUE	UNIT
toluene	375	mg/m3
toluene	150	ppm
toluene	560	mg/m3
toluene	100	ppm
toluene	375	mg/m3
toluene	150	ppm
toluene	560	mg/m3
methyl isobutyl ketone	205	mg/m3
methyl isobutyl ketone	75	ppm
methyl isobutyl ketone	300	mg/m3
methyl isobutyl ketone	50	ppm
methyl isobutyl ketone	205	mg/m3
methyl isobutyl ketone	75	ppm
methyl isobutyl ketone	300	mg/m3
talc	2	mg/m3
ethylene glycol	125	mg/m3
ethylene glycol	50	ppm
ethylene glycol	125	mg/m3
titanium dioxide	10	mg/m3

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: The material and its vapor may cause severe eye irritation. Symptoms may include edema, redness, tearing, burning sensation and blurred vision.

SKIN CONTACT: The material may cause irritation on prolonged or repeated contact. Rough, red, dry skin and cracking may result with prolonged contact.

INHALATION: Vapor overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Symptoms of overexposure include dizziness, giddiness, decreased reaction time, weakness, fatigue, and anemia. Repeated or extreme overexposure to toluene vapors may cause nervous system damage. Repeated or extreme overexposure to methyl isobutyl

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8. HEALTH HAZARD DATA (continued)

ketone (MIBK) vapors may cause liver and kidney damage.

INGESTION: Solvent aspiration into the lung as a result of vomiting may cause lung damage. May cause digestive system irritation and temporary nervous system impairment. Symptoms may include nausea, vomiting, and light-headedness.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	AUGUST 22, 1988	ISSUE
INGREDIENTS	SECTION CHANGED SINCE	AUGUST 22, 1988	ISSUE
PHYSICAL DATA	SECTION CHANGED SINCE	AUGUST 22, 1988	ISSUE
ENVIRON. DATA	SECTION CHANGED SINCE	AUGUST 22, 1988	ISSUE
FIRST AID	SECTION CHANGED SINCE	AUGUST 22, 1988	ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	AUGUST 22, 1988	ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	AUGUST 22, 1988	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 product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.