

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/m3	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/m3	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

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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	TYPE	AUTH
toluene	375	mg/m ³	TWA	ACGIH
toluene	150	ppm	STEL	ACGIH
toluene	560	mg/m ³	STEL	ACGIH
toluene	100	ppm	TWA	OSHA
toluene	375	mg/m ³	TWA	OSHA
toluene	150	ppm	STEL	OSHA
toluene	560	mg/m ³	STEL	OSHA
methyl isobutyl ketone	205	mg/m ³	TWA	ACGIH
methyl isobutyl ketone	75	ppm	STEL	ACGIH
methyl isobutyl ketone	300	mg/m ³	STEL	ACGIH
methyl isobutyl ketone	50	ppm	TWA	OSHA
methyl isobutyl ketone	205	mg/m ³	TWA	OSHA
methyl isobutyl ketone	75	ppm	STEL	OSHA
methyl isobutyl ketone	300	mg/m ³	STEL	OSHA
talc	2	mg/m ³	TWA	OSHA
ethylene glycol	125	mg/m ³	CEIL	ACGIH
ethylene glycol	50	ppm	CEIL	OSHA
ethylene glycol	125	mg/m ³	CEIL	OSHA
titanium dioxide	10	mg/m ³	TWA	OSHA

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.