

Duns No.: 00-617-3082

MATERIAL SAFETY
 DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS

TRADE NAME:

3M Joint and Seam Sealer (White) Part No. 08646
 3M I.D. NUMBER: 62-5528-5209-7 62-5528-9509-6

ISSUED: DECEMBER 30, 1989
 SUPERSEDES: JULY 19, 1989
 DOCUMENT: 10-5289-3

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
limestone	1317-65-3	40.0 - 50.0	10	mg/m ³	TWA	ACGIH
toluene	108-88-3	20.0 - 30.0	100	ppm	TWA	ACGIH
isobutylene-isoprene polymer	9010-85-9	10.0 - 20.0	NONE	NONE	NONE	NONE
polyethylene	9002-88-4	1.0 - 10.0	NONE	NONE	NONE	NONE
polypropylene	9003-07-0	1.0 - 10.0	NONE	NONE	NONE	NONE
polybutylene	9003-29-6	1.0 - 10.0	NONE	NONE	NONE	NONE
beta-pinene polymer	25719-60-2	1.0 - 10.0	NONE	NONE	NONE	NONE
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

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:
 toluene

2. PHYSICAL DATA

BOILING POINT:..... 232.00 F
 (toluene)
 VAPOR PRESSURE:..... 25.1900 mmHg
 @ 68F
 VAPOR DENSITY: 3.14 Air = 1
 EVAPORATION RATE:..... 4.50 Ether = 1
 SOLUBILITY IN WATER: Very slight
 SP. GRAVITY:..... 1.200 Water = 1
 PERCENT VOLATILE: 26.00 %
 VOLATILE ORGANICS: 315.00 gm/l
 pH: N/A
 VISCOSITY: N/D
 APPEARANCE AND ODOR: White, non-sag paste, 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, water
 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

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

3M General Offices
3M Center
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3. FIRE AND EXPLOSION HAZARD DATA (continued)

explode due to internal pressure buildup.
NFPA-HAZARD-CODES: HEALTH 2 FIRE 3 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
N/A
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:

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 Number: D001 (Ignitable).

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):
Maximum VOC = 315 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 315 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: No 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. Call a physician.

SKIN CONTACT:

Wash thoroughly with soap and water. Call a physician if irritation persists.

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 away from heat, sparks, flames, and other sources of ignition. The vapors released from the product can be ignited easily. Avoid prolonged breathing of vapors. Use only in areas with sufficient ventilation to maintain vapor concentrations below recommended exposure limits. Provide local exhaust ventilation if necessary. Keep container closed when not in use. Avoid eye and skin contact. Use eye (e.g., safety glasses, chemical goggles) and skin (e.g., impervious gloves) protection to prevent contact. 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	300	NONE
toluene	200	ppm
toluene	500	ppm
titanium dioxide	15	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: Product may be irritating to eyes upon direct contact.

SKIN CONTACT: Prolonged or repeated skin contact may defat skin leading to irritation and dermatitis.

INHALATION: Inhalation of vapors above recommended exposure limits may cause respiratory irritation and temporary nervous system impairment. Symptoms of overexposure include dizziness, light-headedness, headache and nausea. Repeated or extreme overexposure to toluene vapors may cause nervous system damage.

INGESTION: May cause digestive system irritation. Symptoms of overexposure are nausea, vomiting and diarrhea. Solvent aspiration into the lungs due to vomiting may cause lung damage and in the extreme may be fatal.

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SECTION CHANGE DATES

ENVIRON. DATA SECTION CHANGED SINCE JULY 19, 1989 ISSUE

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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.