

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

03-32  
 3459

MATERIAL SAFETY  
 DATA SHEET



**DIVISION:** AUTOMOTIVE TRADES  
**TRADE NAME:**  
 3M Joint and Seam Sealer (Black) Part No. 08648  
**3M I.D. NUMBER:** 62-5537-5209-8

**ISSUED:** APRIL 12, 1990  
**SUPERSEDES:** APRIL 4, 1989  
**DOCUMENT:** 10-5291-9

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE VALUE UNIT	LIMITS TYPE AUTH
limestone	1317-65-3	40.0 - 50.0	10 mg/m3	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	5.0 - 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
carbon black	1333-86-4	1.0 - 10.0	3.5 mg/m3	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:**..... 25.9000 mmHg  
 @ 68F  
**VAPOR DENSITY:** ..... 3.14 Air = 1  
**EVAPORATION RATE:**..... 4.50 Ether = 1  
**SOLUBILITY IN WATER:** ..... Nil  
**SP. GRAVITY:**..... 1.300 Water = 1  
**PERCENT VOLATILE:**..... 29.00 %  
**VOLATILE ORGANICS:** ..... 348.00 gm/l  
**pH:** ..... N/A  
**VISCOSITY:** ..... Non-sag paste  
**APPEARANCE AND ODOR:** Black, non-sag paste, solvent 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

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

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

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### 4. REACTIVITY DATA

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STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
NONE  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
CO, CO2 and smoke particles when subjected to excessive heat or  
flame.

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### 5. ENVIRONMENTAL INFORMATION

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#### 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 = 348 grams/liter.  
Maximum VOC minus Water minus Exempt Solvents = 348 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: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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### 6. SUGGESTED FIRST AID

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#### EYE CONTACT:

Flush eyes with large amounts of water for at least 10 minutes. Call a physician.

#### SKIN CONTACT:

Wash thoroughly with soap and water.

#### INHALATION:

Remove person to fresh air. If breathing difficulties persist, 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**

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. 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	TYPE	AUTH
toluene	375	mg/m3	TWA	ACGIH
toluene	150	ppm	STEL	ACGIH
toluene	560	mg/m3	STEL	ACGIH
toluene	300	NONE	NONE	OSHA
toluene	200	ppm	TWA	OSHA
toluene	500	ppm	STEL	OSHA
carbon black	3.5	mg/m3	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:** May cause eye irritation on direct contact.

**SKIN CONTACT:** May cause skin irritation on prolonged or repeated contact. Symptoms may include dryness and cracking, leading to dermatitis.

**INHALATION:** Solvent vapor overexposure may cause respiratory system irritation and light-headedness. Symptoms of overexposure may include dizziness, giddiness, decreased reaction time, weakness, fatigue and anemia. Repeated or extreme overexposure to toluene vapors may cause nervous system damage.

**INGESTION:** May cause digestive system irritation with nausea and vomiting, and nervous system impairment. These effects are not expected under the conditions of product intended use.

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**SECTION CHANGE DATES**

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HEADING	SECTION CHANGED SINCE APRIL 4, 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.