

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

03-32
 3447

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES
 TRADE NAME:
 3M T-3 Silicone Black PART NO. 08670 (1PA)
 3M I.D. NUMBER: 62-4900-9909-0 62-5519-1609-1 62-9814-9909-8

ISSUED: APRIL 12, 1990
 SUPERSEDES: AUGUST 8, 1989
 DOCUMENT: 10-6284-3

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE VALUE UNIT	LIMITS TYPE AUTH
hydroxyterminated polydimethylsiloxane	7013-67-8	60.0 - 70.0	NONE NONE	NONE NONE
amorphous silica	7631-86-9	10.0 - 20.0	3 mg/m ³	TWA ACGIH
polydimethylsiloxane	63148-62-9	1.0 - 10.0	NONE NONE	NONE NONE
methyltriethylmethylketoximesilane	22984-54-9	1.0 - 10.0	NONE NONE	NONE NONE
hydroxyterminated polymethylphenylsiloxane	80801-30-5	1.0 - 10.0	NONE NONE	NONE NONE
di(ethylmethylketoxime)methoxy-methyl silane	83817-72-5	1.0 - 10.0	NONE NONE	NONE NONE
aminoethylaminopropyltrimethoxy-silane	1760-24-3	1.0 - 10.0	NONE NONE	NONE NONE
dimethylcyclosiloxanes	69430-24-6	1.0 - 10.0	NONE NONE	NONE NONE
carbon black	1333-86-4	1.0 - 10.0	3.5 mg/m ³	TWA ACGIH

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

NOTE: Product is also component of 5-part kit sold as 3M Gasketing System
 Kit PART NO. 08900; (3M ID NO. 62-9814-9909-8).

2. PHYSICAL DATA

BOILING POINT:..... N/A
 VAPOR PRESSURE:..... N/A
 VAPOR DENSITY:..... N/A
 EVAPORATION RATE:..... N/A
 SOLUBILITY IN WATER:..... < 0.1 %
 SP. GRAVITY:..... 1.060 Water = 1
 PERCENT VOLATILE:..... 0.00 %
 VOLATILE ORGANICS:..... N/A
 pH:..... N/A
 VISCOSITY:..... Non-sag paste
 APPEARANCE AND ODOR: Black, non-sag paste, negligible odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 212.00 F T.C.C.
 FLAMMABLE LIMITS - LEL:..... N/A
 FLAMMABLE LIMITS - UEL:..... N/A
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 CO₂, foam, dry chemical, water fog
 SPECIAL FIRE FIGHTING PROCEDURES:
 Fire fighters should wear a self-contained breathing apparatus when fighting fires involving this material.
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 None known.

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

NFPA-HAZARD-CODES: HEALTH 1 FIRE 0 REACTIVITY 1
UNUSUAL REACTION HAZARD: NONE

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Strong oxidizers may cause reaction. **CONDITIONS TO AVOID:** Contact with moisture (both liquid and atmospheric) causes slow polymerization.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
Silicone dioxide (SiO₂), carbon dioxide (CO₂) and traces of incompletely burned products when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Ventilate the area. Observe precautions from other sections. Collect spilled material. Place in a closed container.

RECOMMENDED DISPOSAL:
Not an U.S. EPA hazardous waste. Incinerate bulk product after mixing with flammable material in an industrial or commercial facility. Small amounts may be cured and disposed of in a sanitary landfill. Disposal should be in accordance with applicable regulations.

ENVIRONMENTAL DATA:
Volatile Organic Compound (VOC):
Maximum VOC = N/A.
Maximum VOC minus Water minus Exempt Solvents = N/A.

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

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with large amounts of water for at least 10 minutes. Call a physician.

SKIN CONTACT:
Wash affected area with soap and water.

INHALATION:
If respiratory irritation or other symptoms occur, move to fresh air. Call a physician if symptoms persist.

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

Do not take internally. Use only with adequate ventilation. If ventilation is not adequate to maintain vapor concentrations below recommended exposure limits, an organic vapor type respirator should be worn. Avoid breathing vapors released during curing operation. Curing equipment should be properly vented to the outdoors or to a suitable emission control device. Avoid eye contact and prolonged or repeated skin contact. Use safety glasses or chemical goggles and impervious protective clothing when handling this material. 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
amorphous silica	6	mg/m3 TWA ACGIH
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 severe eye irritation on contact, with redness lasting one week or more. May cause corneal injury.

SKIN CONTACT: May cause skin irritation. Prolonged or repeated contact may cause moderate skin irritation and a mild burn.

INHALATION: Vapor released during cure may cause respiratory system irritation. Prolonged overexposure may cause slight, temporary blood changes.

INGESTION: May cause digestive system irritation.

NOTE: Laboratory animal studies indicate that repeated, prolonged overexposure to methyl ethyl ketoxime may cause an allergic skin reaction in some persons.

SECTION CHANGE DATES

HEADING SECTION CHANGED SINCE AUGUST 8, 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.