

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

04-27  
 4078

Duns No.: 00-617-3082

MATERIAL SAFETY  
 DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS

TRADE NAME:

3M Brand T-3 High Temperature Silicone PART NOS. 08660 and 08668  
 3M I.D. NUMBER: 62-5269-1609-3 62-5269-1619-2 62-5269-5209-8

ISSUED: APRIL 6, 1989

SUPERSEDES: JUNE 9, 1987

DOCUMENT: 10-9994-4

| 1. INGREDIENT                                | C.A.S. NO. | PERCENT     | EXPOSURE |                   | LIMITS |       |
|--|------------|-------------|----------|-------------------|--------|-------|
|  |            |             | VALUE    | UNIT              | TYPE   | AUTH  |
| hydroxyterminated polydimethylsiloxane       | 70131-67-8 | 60.0 - 70.0 | NONE     | NONE              | NONE   | NONE  |
| amorphous silica                             | 7631-86-9  | 10.0 - 20.0 | 3        | mg/m <sup>3</sup> | 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  |

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... > 300.00 F  
 VAPOR PRESSURE:..... < 5.0000 mmHg  
 VAPOR DENSITY: ..... N/A  
 EVAPORATION RATE:..... < 1.00 Ether = 1  
 SOLUBILITY IN WATER: ..... < 0.1 %  
 SP. GRAVITY:..... 1.040 Water = 1  
 PERCENT VOLATILE: ..... < 5.00 %  
 VOLATILE ORGANICS: ..... N/A  
 pH: ..... N/A  
 VISCOSITY: ..... Non-sag, soft paste  
 APPEARANCE AND ODOR: Red, non-sag paste, negligible odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... >250F  
 FLAMMABLE LIMITS - LEL: ..... N/A  
 FLAMMABLE LIMITS - UEL: ..... N/A  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 CO<sub>2</sub>, foam, dry chemicals, water  
 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.  
 NFPA-HAZARD-CODES: HEALTH 1 FIRE 0 REACTIVITY 1  
 UNUSUAL REACTION HAZARD: NONE

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

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#### 4. REACTIVITY DATA

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**STABILITY:** Stable

**INCOMPATIBILITY - MATERIALS TO AVOID:**

Strong oxidizers may cause reaction. **CONDITIONS TO AVOID:** Contact with moisture (both liquid and atmospheric) causes slow polymerization. Store product below 90F.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Silicone dioxide (SiO<sub>2</sub>), carbon dioxide (CO<sub>2</sub>) and traces of incompletely burned carbon products when subjected to excessive heat or flame.

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#### 5. ENVIRONMENTAL INFORMATION

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**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:** No

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#### 6. SUGGESTED FIRST AID

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**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:**

Drink two glasses of milk or water. Call a physician or poison control center.

**OTHER FIRST AID:**

NONE

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### 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 ovens 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. NOTE: Store product below 90F.

#### ADDITIONAL EXPOSURE LIMITS

| INGREDIENTS      | ---- EXPOSURE LIMITS ---- |                   |      |       |
|------------------|---------------------------|-------------------|------|-------|
|                  | VALUE                     | UNIT              | TYPE | AUTH  |
| amorphous silica | 6                         | mg/m <sup>3</sup> | TWA  | ACGIH |

#### SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists

### 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 | JUNE 9, 1987 | ISSUE |
| INGREDIENTS      | SECTION CHANGED SINCE | JUNE 9, 1987 | ISSUE |
| PHYSICAL DATA    | SECTION CHANGED SINCE | JUNE 9, 1987 | ISSUE |
| FIRE & EXP. DATA | SECTION CHANGED SINCE | JUNE 9, 1987 | ISSUE |
| REACTIVITY DATA  | SECTION CHANGED SINCE | JUNE 9, 1987 | ISSUE |
| ENVIRON. DATA    | SECTION CHANGED SINCE | JUNE 9, 1987 | ISSUE |
| PRECAUT. INFO.   | SECTION CHANGED SINCE | JUNE 9, 1987 | 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 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.