

**MATERIAL SAFETY DATA SHEET****TVM HTA 10 HIGH TEMPERATURE SILICONE SEALANT****1. Product and Company Identification**

1.1. Identification of the substance or preparation:  
- Not Applicable

1.2. Use of the substance or preparation:  
Sealant

1.3. Company/undertaking identification:  
TVM BUILDING PRODUCTS  
169 JARI DRIVE  
JOHNSTOWN, PA 15904  
1 (888) 699-1645

1.4. 24 hour emergency assistance: INFOTRAC: 1 (800)- 535 - 5053

**2. Hazards Identification**

Eyes: Direct contact may cause moderate irritation.

Skin: May cause moderate irritation.

Inhalation: Irritates respiratory passages very slightly. If material is heated or vapor generated, care should be taken to prevent inhalation. If high vapor concentrations are attained then central nervous system depression may occur, characterized by drowsiness, dizziness, confusion or loss of coordination.

Ingestion: Low ingestion hazard in normal use.

**3. Composition/Information on Ingredients**

Hazardous Ingredients	CAS No.	Concentration (%)
Amorphous Silica	7631-86-9	7.0-13.0
Methyl Triacetoxysilane	4253-34-3	1.0 - 5.0
Ethyl Triacetoxysilane	17689-77-9	1.0 - 5.0
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1.0

**4. First Aid Measures**

4.1. Eye Contact: Direct contact may cause moderate irritation  
- Flush eyes of large quantities of water, lukewarm if available  
- Do not attempt to physically remove the materials from the eye  
- Seek medical attention

4.2. Skin Contact: May cause moderate irritation  
- Rinse thoroughly with warm water and non-abrasive soap  
- Seek medical attention if irritation develops  
- Wash contaminated clothing before reuse

4.3. After Inhalation: Irritates respiratory passages very slightly  
- Remove victim to fresh air and provide with water  
- Seek medical attention if irritation develops

4.4. After Ingestion: Low ingestion hazard in normal use  
- Seek medical attention

## 5. Fire Fighting Measures

- 5.1. Flammable Conditions:
  - Avoid direct sources of heat or ignition in uncured state
- 5.2. Suitable extinguishing media:
  - Carbon dioxide
  - dry chemical
  - water fog or foam
  - Water may be used to cool containers exposed to fire
- 5.3. Instructions:
  - Determine the need to evacuate or isolate the area according to your local emergency plan
- 5.4. Special protective equipment for firefighters:
  - Self-contained respiratory equipment and protective clothing should be worn

## 6. Accidental Release Measures

- 6.1. Methods of cleaning up:
  - Restrict access to the area of the spill
  - Provide ventilation, NIOSH/MHSA approved respirator and protective clothing
  - Scrape up sealant and place in container for disposal
  - Clean with steam, detergent or solvents to eliminate slip hazard
  - Disposed of saturated absorbent or cleaning materials appropriately since spontaneous heating may occur
  - Local, state, provincial, federal laws and regulations may apply to releases and disposal of this material as well as materials used in the cleanup

## 7. Handling and Storage

- 7.1. Storage:
  - Store in an adequately ventilated area under dry conditions between 50°F (10°C) to 77°F (25°)
  - Keep container tightly sealed when not in use

## 8. Exposure controls/Personal protection

- 8.1. Exposure limit values:
 

Amorphorous Silica:  
 OSHA Permissible Exposure Limit (PEL): TWA 80 mg/m<sup>3</sup> / SiO<sub>2</sub>  
 NIOSH REL: TWA 6 mg/m<sup>3</sup>

Methyl Triacetoxysilane:  
 OSHA Permissible Exposure Limit (PEL): TWA 10 ppm  
 ACGIH TLV: TWA 10 ppm  
 STEL: 15 ppm

Ethyl Triacetoxysilane:  
 OSHA Permissible Exposure Limit (PEL): TWA 10 ppm  
 ACGIH TLV: TWA 10 ppm  
 STEL 15 ppm

Octamethylcyclotetrasiloxane:  
 OSHA Permissible Exposure Limit (PEL): TWA 10 ppm  
 ACGIH TLV: TWA 10 ppm  
 STEL: 15 ppm

**8.2. Exposure Controls:****8.2.1. Occupational exposure controls:**

- Use in well ventilated area or with local exhaust

**8.3. Personal Protection:****8.3.1. Respiratory protection:**

- Not required under normal conditions
- In indoor applications opening doors and windows is recommended

**8.3.2. Skin/Hand protection:**

- Impermeable gloves (e.g. neoprene, nitrile, silver shield ®)
- Suitable work clothing
- Wash thoroughly after handling

**8.3.3. Eye protection:**

- Safety glasses with side protection or goggles

**9. Physical and Chemical Properties****9.1. General Information:**

Physical State	: Paste
Color	: Red
Odor	: Vinegar odor
Specific Gravity	: 1.01

**10. Stability and Reactivity****10.1. Conditions to avoid/reactivity:**

- Moisture and incompatible materials listed below

**10.2. Materials to avoid:**

- Strong oxidizing agents or electrophiles (e.g. ferric chloride)
- Concentrated acids or bases can degrade the silicone polymer

**10.3. Hazardous Polymerization:**

- Will not occur

**11. Toxicological Information****11.1. Chronic Toxicity:**

N/A

**11.2. Routes of Exposure: inhalation, eyes and skin****11.3. Chronic Effects**

On continuous exposure/contact:

- Evidence of reproductive effects in laboratory animals when exposed to Octamethylcyclotetrasiloxane by inhalation at concentrations of 500 ppm or higher for 70 days prior to mating

**12. Ecological Information**

N/A

**13. Disposal Considerations**

Dispose of in accordance with Federal, state, provincial and local regulations.

## 14. Transport Information

Not subject to DOT, TDG, IMDG Code or IATA Regulations.

## 15. Regulatory Information

### 15.1. TSCA Inventory Status:

- Chemical components listed on TSCA inventory except as exempted

### 15.2. NFPA Profile:

- Health 2, Flammability 1, Reactivity 0

### 15.3. SARA TITLE III Chemical Listings:

- Section 311/312 Hazard Class: Acute: Yes, Chronic: No, Fire: No, Pressure: No, Reactive: No
- Section 313 Toxic Chemicals: None present or none present in regulated quantities

### 15.4. State Substance List:

- This product contains a listed substance(s) that appears on one or more of the Substance Lists for Pennsylvania, Massachusetts and New Jersey: amorphous silica, methyl triacetoxysilane, ethyl triacetoxysilane, isoparaffinic hydrocarbon, and dimethylsiloxane, hydroxyl terminated

### 15.5. Volatile Organic Content:

- 32 grams per liter (0.27 lb/gallon), 3.14% by weight (meets California Air Resources Board VOC standard for sealants and caulking compounds (12/31/2002).

### 15.6. WHMIS Classification:

- D2A, D2B

### 15.7. Domestic Substance List:

- Chemical Components listed on DSL except as exempted

## 16. Other Information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for each material used in combination with any other material or in any process, unless specified in the text.