

ITW Permatex  
 Versachem Brand  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** VERSACHEM MUFFLER WELD  
**Product Type:** Sealant

This product appears in the following stock number(s):  
 10103 (00103)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
KAOLIN 1332-58-7	40-70	2 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
SODIUM SILICATE 1344-09-8	40-70	Not listed	Not listed
CRYSTALLINE SILICA 14808-60-7	0.1-1.0	0.025 mg/m <sup>3</sup>	Not listed
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Alkaline. May cause severe eye irritation. May cause moderate skin irritation. Moderately toxic by ingestion.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.

**Signs and Symptoms of Exposure:** May cause pain, redness or swelling of the eyes and excessive blinking and tear production. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
KAOLIN 1332-58-7	40-70		A4-Not classifiable as a human carcinogen	
CRYSTALLINE SILICA 14808-60-7	0.1-1.0		A2 - Suspected Human Carcinogen	Group 1 Monograph 68, 1997 (inhalation of quartz)
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989

**Aggravated Medical Condition:** Preexisting eye and skin disorders.

### 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Get medical attention/advice if you feel unwell.

**Skin Contact:** Rinse immediately with plenty of water for at least 15 minutes. Wash off with soap and water. If skin irritation persists, call a physician.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point °F(C°):** None

**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus.

**Hazardous Products of Combustion:** Oxides of carbon

**Unusual Fire/Explosion Hazards:** None.

## 5. FIRE FIGHTING MEASURES

Lower Explosive Limit: Not determined  
Upper Explosive Limit: Not determined

## 6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Absorb spill or leak with sand or cloth. Sweep or shovel into an appropriate waste container until disposal.

## 7. HANDLING AND STORAGE

Storage: Store in a cool, dry area.  
Handling: Avoid contact with skin and eyes. Use in a well ventilated area. Wash hands before eating and smoking.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses  
Skin: Neoprene or nitrile gloves recommended.  
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.  
Respiratory Protection: An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Grey paste  
Odor: Mild  
Boiling Point: >200° F/93.3° C  
Solubility in Water: Negligible  
pH: 11.4  
Specific Gravity: 1.65  
VOC(Wt.%): 0  
Vapor Pressure: <1.0 mmHg  
Vapor Density (Air=1): >1  
Evaporation Rate: <1 (butyl acetate = 1)

## 10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions.  
Hazardous Polymerization: Will not occur.  
Incompatibilities: Acids, Aluminum metals  
Conditions to Avoid: None to mention  
Hazardous Products of Combustion: Oxides of carbon

## 11. TOXICOLOGICAL INFORMATION

See Section 3

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.  
US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

## 14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

U.S. Department of Transportation - DOT - 49 CFR (Ground)

DOT Shipping Name: Not regulated  
Hazard Class: None  
UN/ID Number: None

IATA (Air)

Proper Shipping Name: Not regulated  
Class or Division: None  
UN/ID Number: None

IMDG (Vessel)

## 14. TRANSPORTATION INFORMATION

**Proper Shipping Name:** Not regulated  
**Hazard Class:** None  
**UN Number:** None  
**Marine Pollutant:** None

## 15. REGULATORY INFORMATION

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

None

**California Proposition 65:** No warning is required since the silica is not respirable.

**TSCA Inventory Status:** All components of this product are listed (or exempt) on the EPA TSCA inventory.

## 16. OTHER INFORMATION

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 0, REACTIVITY 0  
**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 0, PHYSICAL HAZARD 0  
(NFPA is a registered trademark of the National Fire Protection Association)  
(HMIS is a registered trademark of the National Paint and Coatings Association)

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