

ITW Permatex
Versachem Brand
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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: VERSACHEM HIGH TEMP RED RTV SILICONE
Product Type: Silicone

This product appears in the following stock number(s):
65010

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	>60	Not listed	Not listed
AMORPHOUS SILICA 7631-86-9	7-13	Not listed	20 mppcf
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	<10	5 mg/m ³	Not listed
ETHYLTRIACETOXSILANE 17689-77-9	<5	Not listed	Not listed
METHYLTRIACETOXSILANE 4253-34-3	<5	Not listed	Not listed
ACETIC ACID 64-19-7	0.5-2.0	10 mg/m ³	10 ppm; 25 mg/m ³

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye and skin irritation. May irritate lips, gums, tongue, mouth, nose and throat. May irritate respiratory system upon frequent or prolonged use. ****When this product is exposed to moisture, acetic acid may be formed.

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

Signs and Symptoms of Exposure: Acetic acid produced during curing irritates eyes, nose and throat.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
AMORPHOUS SILICA 7631-86-9	7-13			Group 3 Monograph 68, 1997

Aggravated Medical Condition: Methyltriacetoxysilane: Eye, skin and pulmonary disorders.

4. FIRST AID MEASURES

Ingestion: Rinse mouth. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.

Skin Contact: Wipe off material with paper towel or cloth. 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°): >212°F (>100°C)

Recommended Extinguishing Media: Carbon dioxide, Dry chemical, Foam

Special Fire-Fighting Procedures: Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

Hazardous Products of Combustion: Oxides of carbon, Oxides of silicon, Formaldehyde

Unusual Fire/Explosion Hazards: None

Lower Explosive Limit: n/d

5. FIRE FIGHTING MEASURES

Upper Explosive Limit: n/d

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Clean up spills thoroughly as residue is slippery.

7. HANDLING AND STORAGE

Storage: Store away from water or moisture.

Handling: Avoid contact with skin and eyes. Do not wear contact lenses. Use only in a well ventilated area. Do not take internally. 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.

Comments: When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red paste

Odor: Acetic acid

Boiling Point: Not determined

pH: Not applicable

Solubility in Water: Polymerization

Specific Gravity: 1.007

VOC(Wt.%): <3%

Vapor Pressure: Not Determined

Vapor Density (Air=1): Not Determined

Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions

Hazardous Polymerization: Will not occur. Will not occur.

Incompatibilities: Polymerized by contact with moisture. Acetic acid liberated.

Conditions to Avoid: Exposure to moisture.

Hazardous Products of Combustion: Oxides of carbon, Oxides of silicon, Formaldehyde

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

14. TRANSPORTATION INFORMATION

UN/ID Number: None

IMDG (Vessel)

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.

SARA 313 Information: None

California Proposition 65: No California Prop 65 chemicals are known to be present at or above the No Significant Risk Level.

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

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 1

(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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