



**Chemical Name:** High-Temp RTV Silicone

**Manufacturer:** Permatex

**Container Size:** 3 oz.

**Location:** VLA

**Disposal:** Place empty container in trash.

Permatex, Inc.  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** 27BR SENSOR SAFE HI TEMP SILICONE RTV 3 OZ  
**Item No:** 81422  
**Product Type:** Silicone

### 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	5-15	10 mg/m <sup>3</sup>	6 mg/m <sup>3</sup> TWA
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	<7	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> PEL (oil mist)
ETHYLTRIACETOXYSILANE 17689-77-9	<3	Not listed	Not Listed
METHYLTRIACETOXYSILANE 4253-34-3	<3	Not listed	Not Listed
POLYDIMETHYLSILOXANE 63148-62-9	<3	Not listed	Not Listed
ACETIC ACID 64-19-7	0.5-2.0	10 ppm	10 ppm TWA; 25 mg/m <sup>3</sup> TWA

### 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. Note: This product does not contain microcrystalline silica.

**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
AMORPHOUS SILICA 7631-86-9	5-15			Group 3 Monograph 68, 1997

**Medical Conditions Recognized as Being Aggravated by Exposure:** 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.  
**Skin Contact:** 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°):** >200°F TCC  
**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, 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, Metal oxide fumes, Oxides of silicon, Chlorine, Formaldehyde, Acetic acid  
**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:** 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. Keep away from oxidizers.  
**Handling:** Avoid contact with skin and eyes. Do not wear contact lenses. Use only in a well ventilated area. Do not take internally.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses.  
**Skin:** Neoprene, rubber or butyl rubber gloves.  
**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:** Not required under normal use. 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 applicable, polymeric material  
**pH:** Does not apply  
**Solubility in Water:** Polymerized  
**Specific Gravity:** 1.05 @ 60°F  
**VOC Content(Wt.%):** 3.0%; 0.26 lb/gal; 32 g/l  
**Vapor Pressure:** <5 mm hg @ 70°F  
**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.  
**Incompatibilities:** Polymerized by contact with moisture. Acetic acid liberated.  
**Conditions to Avoid:** Exposure to moisture  
**Hazardous Products of Combustion:** Oxides of carbon, Metal oxide fumes, Oxides of silicon, Chlorine, Formaldehyde, Acetic acid

## **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)**  
**Domestic Ground Transport**

**Product Name:** 27BR SENSOR SAFE HI TEMP  
SILICONE RTV 3 OZ

**Item No:** 81422

#### **14. TRANSPORTATION INFORMATION**

**DOT Shipping Name:** Unrestricted  
**Hazard Class:** None  
**UN/ID Number:** None

##### **IATA**

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

##### **IMDG**

**Proper Shipping:** Unrestricted  
**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 PROP 65:**

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

##### **TSCA Inventory Status:**

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

#### **16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 1, REACTIVITY 1.

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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