

Material Safety Data Sheet

POLY SEAL RED - High Temperature Sealant

ADHESIVE[®]



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1. Product Identification

Product Identification: POLY SEAL RED
Chemical Family: Silicone Based Sealant
Formula: Mixture

2. Product Components

Component	CAS#	WT%	Exposure Limits
Methyltriacetoxysilane	004253343	2	See acetic acid comments.
Silica Amorphous	007631869	10	Observe particulates limits. OSHA PEL: TWA 15mg/m total dust, 5mg/m3 respirable fraction. ACGIH TLV: TWA 100mg/m3 total dust.
Ethyltriacetoxysilane	017689779	2	

3. Physical and Chemical Properties

Physical form: Paste
Color: Red
Odor: Acetic acid odor
Specific Gravity @ 25c: 1.04
Viscosity: Not applicable
Freezing/Melting Point: Not Determined
Boiling Point: Not applicable
Vapor Pressure @ 25c: Not applicable
Vapor Density: Not applicable
Solubility in Water: None
PH: Not applicable
Volatile Content: Not applicable

Note: The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

4. Fire and Explosion Data

Flash Point (Closed Cup) Not determined
Autoignition Not determined
Flammability Limits in Air Not determined
Extinguishing Media Carbon Dioxide(CO2). Water. Water for(or spray)Dry Chemical. Foam.
Unsuitable Extinguishing Media: None.
Fire Fighting Procedures: Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount is involved, evacuate area.
Unusual Fire Hazards None.

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Sulfur Oxides, Carbon oxides and traces of incompletely burned carbon compounds, Silicone dioxide, Iodine compounds and Formaldehyde.

If container is an aerosol product: Treat as compressed gas extinguishing media-CO2.Dry Chemical,Water Fog.

5. Reactivity Data

Stability: Stable
Incompatibility (material to avoid): Oxidizing material can cause a reaction. Air or moisture causes curing and acetic acid vapors to form.
Conditions to avoid: Exposure to air or moisture until ready to use.
Hazardous decomposition products: Silicone dioxide. Carbon dioxide. And traces of incompletely burned carbon prod.
Hazardous Polymerization: Will not occur
Conditions to Avoid: Not applicable
Comments: None.

Reactivity Data (cont.)

Health Hazard Data

Acute signs/effects of overexposure:

Ingestion:	May cause gastric distress.
Skin contact:	Uncured product contact will irritate lips, gums, tongue and skin.
Inhalation:	Causes mild respiratory irritation.
Eye Contact:	Uncured product contact irritates eyes.
Medical conditions aggravated:	None known.
Emergency first aid procedures:	
Ingestion:	No first aid should be needed.
Skin:	To clean from skin, remove completely with a dry cloth or paper towel before washing with a detergent and water. Get medical attention if irritation develops.
Inhalation:	Remove to fresh air.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

Note to physician:

None known.

Toxicity:**Product Information
Acute Oral LD50>10,000 MG/KG
Acute dermal LD50 None found MG/KG
Acute Inhalation LC50 None found.

Other: None known

Ames Test: Unknown

Principle routes of exposure: Eyes, Inhalation

Products/Ingredients: None known

6. Special Protective Equipment

Respiratory Protection:	Use in a well ventilated area.
Protective Gloves:	Cloth gloves
Eye and face Protection:	Safety glasses.
Other Protective Equipment:	None known.
Ventilation:	Use only in well ventilated area.

7. Spill, Leak, and Disposal Procedures

Action to be taken if material is released or spilled: Wipe or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

Disposal Method:

Disposal should be made in accordance with Federal, State, and Local Regulations.

8. Special Precautions

- Precautions to be taken in handling and storage.
- Avoid contact with skin and eyes. CAUTION! Wearers of contact lenses must not handle lenses until all sealant has been cleaned from fingertips: residual silicone will transfer to lenses and cause severe eye irritation.
- Product releases acetic acid during application and curing.
- Use mechanical ventilation to stay below TLV of 10PPM acetic acid.
- Uncured product contact irritates eyes.
- Uncured product contact irritates skin.
- Use in a well ventilated area to prevent irritation by vapors.
- Engineering Controls: Eyewash stations.

9. Shipping and Regulatory Classification Data

DOT Shipping Name:	None
DOT Hazard Class:	None
DOT Label(s):	None
EPA Hazard Class:	Eye irritant
CPSC Classification:	Eye irritant.
Transportation Class:	IMO None.
RID(OCTI):	None
ADR (ECE):	None
RAR (IATA):	None
NEPA/HMIS Classification:	Flammability 1, Reactivity 0, health 1

Additional information:

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

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