



MATERIAL SAFETY DATA SHEET

Manufactured by:
 International Epoxies & Sealers
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Product Name: RTV- Silicone Sealant
 Product Number: 1212 (Red)

1. PRODUCT IDENTIFICATION

Product Identification: 100% RTV Silicone: Red
 Chemical Name: Silicone Sealant
 Chemical Family: Silicone 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/m3 total dust, 5 mg/m3 respirable fraction. ACGIH TLV: TWA 100 mg/m3 total dust.
Ethyltriacetoxysilane	017689779	2	

3. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Paste
 Color: depends on specific color ordered
 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 IES 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 fog(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
 Silicon dioxide. Iodine compounds. 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 vapors form.

Conditions to avoid: Exposure to air or moisture until ready to use.

Hazardous decomposition products: Silicon dioxide, carbon dioxide, and traces of incompletely burned carbon prod.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Not applicable

Comments: None

6. 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

Other: Acetic acid released during curing

Chronic effects of overexposure: 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 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

7. 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 a well ventilated area

8. SPILL, LEAK, AND DISPOSAL PROCEDURES

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

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

9. 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

Products releases acetic acid during application and curing

Use mechanical ventilation to stay below TLV of 10 PPM acetic acid

Uncured product irritates eyes

Uncured product irritates skin

Use in a well ventilated area to prevent irritation by vapors

Engineering Controls: Eyewash stations

10. 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

11. 1212 MATERIAL MEETS THE FOLLOWING CERTIFICATIONS

FDA 177.2600
FDA 175.105
NSF 51 – Food Zone
UL Rating, QMFZ2E40195

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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