



MATERIAL SAFETY DATA SHEET

Manufactured by:
International Epoxies & Sealers
P.O. Box 185
San Antonio, FL 33576
Telephone: 1-800-451-7206
Emergency Phone: Infotrac: 1-800-535-5053
Outside the U.S. Call Collect: 1-352-323-3500

Product Name: RTV- Silicone Sealant

Product Number: 1211 (Black)

1. PRODUCT IDENTIFICATION

Product Identification: 100% Oxime cure one part RTV silicone sealant: low volatile, low odor, clear/ neutral color
Chemical Name: Silicone Sealant
Chemical Family: Silicone Sealant
Formula: Mixture

2. PRODUCT COMPONENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>WT%</u>	<u>EXPOSURE LIMITS</u>
Methyltrisilane	022984549	6	See ethylmethylketoxime comments
Silica, Amorphous	007631869	11	Observe particulates limits. OSHA PEL: TWA 15mg/m3 total dust, 5 mg/m3 respirable fraction. ACGIH TLV: See methyl alcohol comments
Aminoethylaminopropyltrimethoxysilane	001760243	2	See ethylmethylketoxime and methyl alcohol comments
Dimethoxymethylsilane	083817725	2	Observe chromium oxide limits (OSHA PEL and ACGIH TLV as chrome: TWA 0.5 mg/m3, antimony oxide limits (OSHA PEL and ACGIH TLV, as antimony: TWA 0.5 mg/m3) manganese oxide limits (OSHA PEL as manganese: Ceiling 5 mg/m3: ACGIH TLV as manganese: TWA 5 mg/m3)
Antimony chromium manganese-titanium brown rutile	069991680	.2	

Comments: Methyl alcohol forms on contact with water of humid air. Provide adequate ventilation to control exposures within the guidelines of OSHA PEL: TWA 220 PPM and ACGIH TLV-skin: TWA 220 PPM, STEL 250 PPM.
Ethylmethylketoxime is formed upon contact with water or humid air. Provide adequate ventilation to control exposures to within the exposure guideline of 10 PPM (TWA)

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 (CO ₂), 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 of 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	Other: None known
Acute Oral LD ₅₀ >10,000 MG?KG	Ames test: Unknown
Acute Dermal LD ₅₀ None found MG/KG	Principle routes of exposure: Eyes, Inhalation
Acute Inhalation LC ₅₀ None found	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. 1211 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.

REVISED 8/07