

MATERIAL SAFETY DATA SHEET

MSDS Name: POLYSEAMSEAL(R) 100% SILICONE SEALANT
MSDS Number: sD11525
Version Number
MSDS Date: MAR-24-1999
Page Number: 1

SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: POLYSEAMSEAL(R) 100% SILICONE SEALANT
Hazard Rating: Health: 1 Fire: 1 Reactivity: 0 PPI: B

Company Identification: OSI SEALANTS, INC.
7405 PRODUCTION DRIVE
MENTOR OH 44060

Contact: Safety Officer
Telephone/Fax: (440) 255-8900 (440) 974-2395
Emergency Phone (24 hour) CHEMTREC
(800) 424-9300
Chemtrec (outside-USA) (703) 527-3887
Preparer T.F.Barr
Sr. R.&D. Chemist

Product Class SEALANT
Trade Name POLYSEAMSEAL
Product Code ---

Other Names: HIGH MODULUS SILICONE SEALANT

SECTION II - INGREDIENT AND HAZARD INFORMATION

| Ingredient Name | CAS Number | Percent | TSCA |
|-------------------------|------------|---------|------|
| ACETIC ACID ** | 64-19-7 | < 5.0 | Y |
| ETHYLTRIACETOXY SILANE | 17689-77-9 | < 5.0 | Y |
| METHYLTRIACETOXY SILANE | 4253-34-3 | < 5.0 | Y |

Ingredient Notes:

- * Cured sealant is non-hazardous and is FDA-USDA approved for non-contact applications.
 - ** Acetic acid is not a component but is released upon curing on exposure to humid air.
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SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

Form: Non-sag caulk (various colors)

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pH Value, +/- .3: Not Applicable
Boiling Range: Not Available
Vapor Pressure (mmHg): Not Available
Evaporation Rate: Slower than n-Butyl Acetate

Vapor Density: Heavier than air

% Volatile, Weight 4. %
% Volatile, Volume 5. %
Specific Gravity: 1.344
VOC (less H2O or exempt) under 20 g/L
Heavy Elements (ppm) 0.

NOTE:

Odor: Sharp, vinegar-like odor upon curing. pH : N/A
Physical State: Semi-solid Freeze Point : N/A

SECTION IV - FIRE FIGHTING MEASURES (Flash,UEL,LEL for solvent only)
Flammability Class IIIB
Flash Range: over 212.øF (100.øC)
Tag Closed Cup
Explosive Range (LEL/UEL): Not Applicable

EXTINGUISHING MEDIA:

Carbon Dioxide---Dry Chemical---Foam---Water

SPECIAL FIRE-FIGHTING PROCEDURES:

Self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Any container may rupture when exposed to extreme heat.

Use water to cool closed containers.

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY:

ENTRY THROUGH...

Inhalation? Yes | Skin? Yes | Ingestion? Yes

TARGET ORGANS...

Exposure -- Acetic Acid: Eye, Skin, Respiratory Tract

Overexposure -- Acetic Acid: Eye, Skin, Respiratory Tract

CARCINOGENICITY...

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NTP? N/E | IARC Monographs? N/E | OSHA? N/A

EFFECTS OF OVEREXPOSURE

Eyes: Can cause irritation, redness, tearing and blurred vision.
Skin: Repeated contact with uncured product may cause irritation
Inhalation: Moderate irritation may result from inhaling the
Acetic acid vapors released during curing.
Ingestion: May cause nausea and vomiting.

FIRST AID MEASURES

Eyes: Immediately flush with water for at least 15 minutes, and
get medical attention if irritation persists.
Skin: Remove completely with dry cloth or paper towel. Wash
thoroughly with soap and water.
Inhalation: Move person to fresh air; if breathing is
difficult, administer oxygen; if breathing has
stopped, give artificial respiration. Get medical
attention.
Ingestion: May be harmful depending upon quantity injected.
Get immediate medical attention.

SECTION VI - STABILITY AND REACTIVITY

Stability: This product is stable
Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY:

Oxidizers can cause reaction. Air and moisture causes curing
and releases acetic acid vapors.

CONDITIONS TO AVOID:

Exposure to air and moisture until ready to use.

HAZARDOUS DECOMPOSITION PRODUCTS:

Silicone dioxide, carbon dioxide and traces of incompletely
burned carbon products.

SECTION VII - ACCIDENTAL RELEASE AND DISPOSAL MEASURES:

STEPS TO BE TAKEN IN CASE OF SPILL:

Ventilate confined areas. (Open windows and doors)
Wipe or scrape up material and put in a sealable safety
container. Wash walking surfaces with detergent and water to
reduce hazard of slipping.

WASTE DISPOSAL METHOD:

Dispose of following local, state, and federal regulations.
Cured material is non-hazardous.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

| | ACGIH TLV | ACGIH TLV-C | ACGIH STEL | OSHA STEL | OSHA PEL |
|-------------------------|-----------|-------------|------------|-----------|-----------|
| ACETIC ACID ** | 10.00 PPM | N/est | N/est | N/est | 10.00 PPM |
| ETHYLTRIACETOXY SILANE | 10.00 PPM | N/est | N/est | N/est | 10.00 PPM |
| METHYLTRIACETOXY SILANE | 10.00 PPM | N/est | N/est | N/est | 10.00 PPM |

RESPIRATORY PROTECTION:

Use NIOSH approved respiratory protection if TLV is exceeded.

VENTILATION:

Use only in well ventilated areas.

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

PROTECTIVE CLOTHING:

Rubber gloves should be worn.

EYE PROTECTION:

Chemical goggles should be worn.

HANDLING AND STORAGE PRECAUTIONS:

Keep container closed when not in use.

Avoid contact with eyes and skin. Do not handle contact lenses

until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause severe eye irritation.

Keep out of reach of children.

SECTION IX - TRANSPORT INFORMATION:

DOT CLASSIFICATIONS FOR ONE GALLON AND UNDER CONTAINERS

DESCRIPTION: Non-hazardous

SECTION X - REGULATORY INFORMATION:

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This material fits the EPA Hazard Category definition of Immediate (Acute) and Delayed (Chronic) Health Hazards under SARA Sections 311, 312.

SARA Section 313 toxic chemicals: None

Chemical substances have been reported to the EPA Office of Toxic Substances in accordance with the requirements of the Toxic Chemical Substance Control Act (Title 40 CFR 710).

California PROP.65 Chemicals: none known

DISCLAIMER:

The information contained herein is based on data available as of the date of preparation of this MSDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data. We shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and the user must make his own investigation to determine the suitability of the information or products for his particular purpose, for the protection of the environment, and the health and safety of the users of this material.