SAFETY DATA SHEET

Current Revision: 2, 10/28/2015	Prepared By: Ben Ward, Product Engineer

I.IDENTIFICATION

EMERGENCY PHONE:

CHEMTREC- (800) 424-9300

CCN: 19481

Salem Fabrication Supplies
5901 Gun Club Road
Winston-Salem, NC 27103
Information: **(800) 234-1982**

PRODUCT NAME: Salem Seal M/R

SYNONYMS: Mold resistant silicone sealant.

Recommended Use:

General purpose silicone sealant, extra mold resistance.

Restrictions:

None known

II.HAZARD IDENTIFICATION

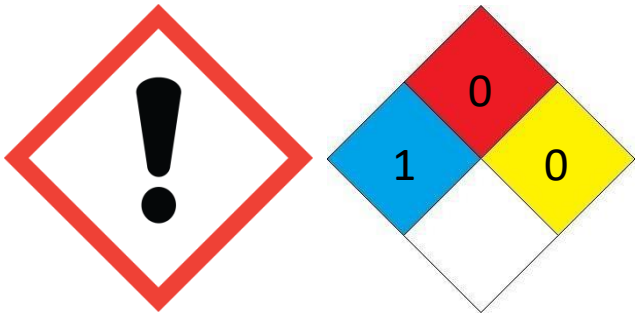
Classification (§1910.1200):

Skin Irritant – Category 2
Eye Irritant – Category 2B

NFPA/HMIS

Signal Word/Symbols:

PPE
C



Warning

Hazard Statement:

Causes skin irritation.

Causes eye irritation.

Precautionary Statement:

Wash hands and exposed skin areas after handling.
Wear protective gloves, protective clothing, and eye protection.

Miscellaneous Hazards:

N/A

Unknown Acute Toxicity Statement:

N/A

III.COMPOSITION

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Silicon dioxide		7631-86-9	7-14
Petroleum Distillates		64742-46-7	1-7
Ethyltriacetoxysilane		17689-77-9	1-6
Methyltriacetoxysilane		4253-34-3	1-5
Titanium Dioxide		134463-67-7	1-5

Octamethylcyclotetrasiloxane		556-67-2	0-1

Classified Impurities and Additives:

None

IV.FIRST AID MEASURES

Inhalation:

If product vapor causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist, seek medical attention.

Skin Contact:

Remove contaminated clothing. Quickly and gently remove excess product with a dry cloth or paper towel. Flush skin with lukewarm water for 15 minutes. Wash affected area with soap and water. Clean contaminated clothing and shoes before reuse. If irritation persists, seek medical advice.

Eye Contact:

Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting upper and. lower lids. Remove contact lenses, if present and easy to do, after first 2

minutes and continue rinsing. Obtain immediate medical attention, preferably from an ophthalmologist.

Ingestion:

Rinse mouth with water if victim is conscious. Remove dentures, if present. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration of material into the lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Symptoms/Effects:

Moderate to severe eye irritation. Redness, itching, swelling, tearing, and pain.
Skin irritation. Redness and itching.
Respiratory tract irritation. Irritation of nose and throat.

Persons with pre-existing skin disorders or respiratory impairment may be more susceptible to the effects of this material. Silicon Dioxide is a suspected animal carcinogen. Octamethylcyclotetrasiloxne has caused reproductive effects in laboratory animals.

Level Of Medical Attention Needed:

Treat symptomatically and seek medical attention if symptoms persist.

V. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

All extinguishing media suitable for surrounding environment.

Unsuitable Extinguishing Media:

None known.

Specific Hazards:

Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention. This product contains methylpolysiloxanes, which can generate formaldehyde at temperatures greater than 150 °C (300 °F). Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard. Material releases Acetic Acid when wet.

Special Protective Equipment:

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent to prevent environmental contamination. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations.

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VI.ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Evacuate non-essential personnel. Remove all sources of ignition. Ventilate the area. Wear appropriate protective clothing and equipment and limit contact with sealant.

Protective Equipment:

Gloves, goggles, and protective clothing are recommended when handling raw material. Use a respirator in low ventilation, high vapor areas.

Emergency Procedures:

N/A

Methods for Cleanup/Removal:

Approach spill from upwind direction. Cover drains and contain spill. Cover spill with noncombustible absorbent. Wipe or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities, may present a slip hazard. Final cleaning may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material as well as those materials and items used in the cleanup of releases. Place material to be discarded into an approved container for proper disposal. Observe possible material restrictions.

VII.HANDLING AND STORAGE

Handling Precautions:

Observe label precautions. Wear all appropriate protective equipment. Keep containers closed when not in use. Use with adequate ventilation. Product evolves Acetic Acid when exposed to water or humid air. Provide ventilation during use to control Acetic Acid within exposure guidelines or use respiratory protection. Avoid contact with eyes and skin. Avoid breathing vapor.

Safe Storage Conditions:

Keep containers tightly closed in cool, dry, well-ventilated storage areas. Transfer only to approved containers having correct labeling. Protect containers against physical damage. Keep containers tightly closed. Containers that have been opened must be carefully

resealed and kept upright to prevent leakage. Do not reuse empty containers as they may retain product residues. Use appropriate containment to avoid environmental contamination. Ventilate closed areas. Do not take internally. Keep out of reach of children.

Incompatibilities:

None known.

VIII.EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

OSHA PEL:	**ACGIH TLV:**	**OTHER EXPOSURE LIMITS:**
Silicon dioxide: 80 mg/m^3 TWA Titanium dioxide: 5mg/m^3 TWA respirable fraction, 10mg/m^3 TWA total dust	Titanium dioxide: 10mg/m^3 TWA	Acetic Acid (formed when exposed to water or humidity) PEL: 10ppm TWA, ACGI TLV 10ppm Octamethylcyclotetrasiloxan e: TWA 10ppm manufactures PEL

Appropriate Engineering Controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

Personal Protective Measures:

Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on

concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

IX.PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Translucent/white paste.

Odor: Acetic acid	**Odor Threshold:** 2ppm	**Ph:** N/A
Melting/Freezing Point: N/A	**Boiling Point:** N/A	**Boiling Range:** N/A
Flash Point: >100 °C (>212 °F), closed cup	**Evaporation Rate:** N/A	**Flammability (Solid, Gas):** N/A
Upper/Lower Flammability/Explosive Limit: N/A	**Vapor Pressure:** N/A	**Vapor Density:** N/A
Relative Density: 1.007	**Solubility (ies):** Negligible	**Partition Coefficient: NOctanol/Water:** N/A
Auto Ignition Temperature: N/A	**Decomposition Temperature:** N/A	**Viscosity:** N/A

X.STABILITY AND REACTIVITY

Reactivity:

No special reactivity has been reported.
Hazardous polymerization does not occur.

Chemical Stability:

Stable under recommended conditions

Possibility of Hazardous Reactions:

None known.

Conditions to Avoid: Static Discharge, Shock, Vibrations, Etc.

High/low temperatures, incompatible materials, and moisture.

Incompatible Materials:

Oxidizing agents, water, and moisture.

Hazardous Decomposition Products:

Thermal decomposition products include carbon oxides, acetic acid, silicon dioxide, formaldehyde.

XI.TOXICOLOGICAL INFORMATION

Possible Exposure Routes (Inhalation Etc.):

Skin, eye, respiratory, and ingestion.

Symptoms Related To Toxicological Characteristics:

Skin, eye, respiratory, and ingestion irritation.

Delayed, Immediate, and Chronic Effects:

Irritation immediate with potential carcinogenic and teratogenic affects over time.

Numerical Toxicity Measurements:

No data available.

NTP/LARC/OSHA Known Carcinogen:

Silicon Dioxide (CAS #7631-86-9): IARC Group 3 Carcinogen - Not classifiable as to its carcinogenicity to humans. Not listed as a carcinogen by ACGIH, NTP or OSHA.

Reproductive effects have been reported in test animals exposed to Octamethylcyclotetrasiloxane (CAS #556-67-2).

XII.ECOLOGICAL INFORMATION

Ecotoxicity:

N/A

Persistence and Degradability:

Organic materials in this product are expected to biodegrade over time.

Bioaccumulative Potential:

Not expected to bio accumulate.

Soil Mobility:

N/A

Other Adverse Effects:

Do not allow material to run into surface waters, wastewater or soil.

XIII.DISPOSAL CONSIDERATIONS

Waste Residue and Disposal:

The generation of waste should be avoided or minimized whenever possible. Although this product is classified as non-hazardous under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261 this material and its container should be disposed of in a safe way as empty containers may contain product residue. Leave chemicals in original containers. No mixing with other waste. Handle unclean containers like the product itself. Dispose of in accordance with the Directive 2008/98/EC as well as other national. federal, state/provincial and local laws and regulations.

XIV. TRANSPORT INFORMATION

UN Number: None	**UN Proper Shipping Name:** None	**Transport Hazard Class (es):** None
Packing Group: None	**Environmental Hazards:** None	**Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code)** None

Special Precautions:

N/A

XV.REGULATORY INFORMATION

Environmental/ Health/ Safety:

SARA Section 311/312 Hazard Categories: Acute Health Hazard

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:

Petroleum-based chemicals in this product may contain trace amounts of materials known to the State of California to cause cancer or reproductive harm.

Other U.S. State Inventories:

Silicon Dioxide (CAS #7631-86-9) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: CA, MA, MN, NJ, and PA.

Titanium Dioxide (CAS #113463-67-7) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: IL, MA, MN, NJ, PA, RI.

XVI. OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Salem Fabrication Supplies. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Salem Fabrication Supplies assumes no legal responsibility for use of or reliance upon this information.

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