

MATERIAL SAFETY DATA SHEET

Product Name: A.W. Perkins Company, 36 Curtis Ave., PO Box 637, Rutland, VT 05702
Item #71 Silicone Sealant

Date Issued: September 21, 2007

I. Chemical Product and Company Identification

Product Name: A.W. Perkins XT Red Silicone, #71
Chemical Name: Moisture Curing Silicone Sealant
Molecular Formula: Mixture
Proper DOT Shipping: Caulking & Glaziers, NOI
DOT Hazard Classification: None

Manufacturer's Phone Number: 802-773-3600

II. Hazardous Ingredients

Name: Silica, Amorphous
CAS Number: 112945-52-5
Percent by Weight: 4 – 10
ACGIH TWA: 6 mg/m³
OSHA TWA: 10 mg/m³

Name: Methyl Oximino Silane*
CAS Number: 22984-54-9
Percent by Weight: 0 – 5

Name: Vinyl Oximino Silane*
CAS Number: 2224-33-1
Percent by Weight: 0 – 5

Other Limits:

* Methyl Ethyl Ketoxime is formed upon contact with water of moisture in the air. Provide adequate ventilation to control exposures within the exposure guideline of AIHA 10 ppm (STEL) and ACGIH 10 ppm (TWA). It is recommended that concentrations of MEKO be kept below 3 ppm (TWA). Average exposures to MEKO have been measured at 3 ppm or less for typical applications.

III. Hazards Identification

HMIS Hazard Rating: Health 1 Flammability 1 Reactivity 0

Note: The HMIS rating involves data interpretation that varies from company to company. This information is intended for general identification to specific hazards. To safely handle this material, all of the information in this MSDS should be considered.

IV. First Aid Measures

ROUTES OF ENTRY:

Primary Routes of Entry: Skin and Inhalation

Inhalation: Inhalation of vapor may irritate the respiratory tract and nasal passage. Vapors released from exposure to moisture may produce reversible narcotic effect. Overexposure may cause drowsiness and irritation to the eyes, nose, and throat.

Skin: A single short exposure may cause irritation. Repeated prolonged exposure may cause mild irritation. Product releases MEKO, which is possible skin sensitizer.

Eyes: Direct contact irritates slightly with redness and swelling.

Ingestion: There are no known symptoms of ingestion.

Carcinogen: No

Teratogens: No

Mutagens: No

Reproductive Toxins: No

Sensitizer: Product releases MEKO, which is a potential skin sensitizer.

Comments: Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately flush eyes with copious amounts of water.

Skin: Wash skin with soap and water. Get medical attention if irritation or ill effects develop or persist.

Inhalation: Remove subject to fresh air. Get medical attention if ill effects persist

Oral: Get medical attention.

Comments: Treat according to person's condition and specifics of exposure.

V. Fire Fighting Measures

Flash Point: Not applicable

Flammability Limits in Air: Not determined

Autoignition Temperature: Not determined

Extinguishing Media: On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical, or water spray. Water can be utilized to cool containers exposed to fire.

Unusual Fire and Explosion Hazards: None

VI. Accidental Release Measures

Containment/Clean Up: Observe all personal protective equipment recommendations as described in section eight. Scrape all spilled materials for disposal. This material is not classified as a hazardous waste per 40 CFR 261. State and local laws may impose regulatory restrictions.

VII. Handling and Storage

Personal Precautionary Measures: Avoid breathing vapors in top of shipping container. Keep container closed. Use with adequate ventilation. Avoid contact with skin and clothing. Wash thoroughly after handling. Observe all PPE suggestions in section 8.

Storage: Keep container closed and store in a cool well-ventilated area. Avoid contact with water or moisture.

VIII. Exposure Controls and Personal Protection

Ventilation: Local and general ventilation are recommended.

Respiratory Protection: If engineering controls do not maintain airborne concentrations of hazardous ingredients below limits in Section II of this MSDS, then a NIOSH/NSHA approved organic vapor respirator should be used.

Eye Protection: Wear safety glasses with side shields as a minimum.

Skin Protection: Impervious gloves are suggested. Wash at mealtimes and end of shift.

IX. Physical and Chemical Properties

Boiling Point: not determined

Vapor Pressure (mmHg): not determined

Vapor Density (AIR=1): not determined

Solubility in Water: Dilutable in wet stage

Appearance: Red viscous liquid

Viscosity: Thick Paste

Odor: Slight odor

Specific Gravity (H₂O=1): 1.08

Freeze Point: not determined

Evaporation Rate (BuAc=1): not determined

Volatile Organic Content: 47 grams/liter

X. Stability and Reactivity

Stability: Stable

Incompatibility: Oxidizing material can cause a reaction.

Hazardous Polymerization: Will not occur

XI. Disposal Considerations

This material is not classified as a hazardous waste per 40 CFR 261. State and local laws may impose regulatory restrictions. Observe all federal, state, and local laws regarding waste disposal.

XII. Transport Considerations

Marine pollutant components: None
DOT (USA): Caulking & Glaziers, NOI
DOT Hazard Classification: None
UN/NA Number: Not applicable
Label Required: None

XII. Regulatory Information

TSCA: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

SARA 302: No components subject to 40 CFR 370

SARA 304: None

SARA 312:

Acute:	Yes
Chronic:	Yes
Fire:	No
Pressure:	No
Reactive:	No

SARA 313: None present or none present in regulated quantities.

DSL: All ingredients are listed on the DSL

Supplemental State Compliance

California:

Warning: This product contains the following chemical(s) listed by the state of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defect, or reproductive harm.

None Known

Massachusetts:

CAS Number	Wt %	Component Name
112945-52-5	4 – 10	Silica, Amorphous

New Jersey:

CAS Number	Wt %	Component Name
70131-67-8	40 – 70	Hydroxy-terminated polydimethylsiloxane
63148-62-9	10 – 20	Polydimethylsiloxane
112945-52-5	4 – 10	Silica, Amorphous
22984-54-9	0 – 5	Methyl Oximino Silane
2224-33-1	0 – 5	Vinyl Oximino Silane

Pennsylvania:

CAS Number	Wt %	Component Name
70131-67-8	40 – 70	Hydroxy-terminated polydimethylsiloxane
63148-62-9	10 – 20	Polydimethylsiloxane
112945-52-5	4 – 10	Silica, Amorphous
22984-54-9	0 – 5	Methyl Oximino Silane
2224-33-1	0 – 5	Vinyl Oximino Silane

XIII. Other Information

Disclaimer: The opinions expressed herein are those of qualified experts within A.W. Perkins Company or its suppliers. We believe the information contained herein is current as of date of this MSDS. Since the use of the product is not within the control of A.W. Perkins, it is the user's obligation to determine the conditions of safe use.