



The **Silchem™** Group

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**MSDS Data**

**Siltech 100HV**

**RTV SILICONE COATING  
(70% Solids)**

**PRODUCT IDENTIFICATION: Siltech 100HV  
Catalog Numbers with "S" suffix**

EMERGENCY TELEPHONE: CHEMTREC (800) 424-9300  
Updated: 2/21/2010

SECTION I - GENERAL INFORMATION	
Proper Shipping Name:	Caulking & Glaziers, NOI
HMIS Hazard Rating = Hazardous Materials Identification System	
Health: 1      Flammability: 2      Reactivity: 1 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.	
Molecular Formula:	Mixture
Chemical Name:	Moisture Curing Silicone Sealant

SECTION II - HAZARDOUS INGREDIENTS			
CAS NO.	Ingredient	WT%	Exposure Limits
67762-90-7	Siloxanes and silicones, di-Me, reaction products with silica	2-10	OSHA TWA: 6 mg/m <sup>3</sup> ACGIH TWA: 10 mg/m <sup>3</sup> Nuisance Dust
13463-67-7	Titanium Oxide	1-5	ACGIH TWA: 10 mg/m <sup>3</sup>
21645-51-2	Alumina Trihydrate	20-50	Nuisance Dust (TLV 10 mg/m <sup>3</sup> )
22984-54-9	Methyl Oximino Silane <sup>(1)</sup>	2-10	None Established
1760-24-3	N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane <sup>(2)</sup>	0-2	None Established
CAS NO.	Ingredient	WT%	Exposure Limits
8052-41-3	Stoddard Solvent	20-40	OSHA PEL TWA: 500 ppm ACGIH TLV TWA: 100 ppm

Notes:

- (1) 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. Provide adequate ventilation to control exposures to within the exposure guidelines of 10 ppm (TWA).
- (2) Methanol may be formed by reaction with moisture in the air. Provide adequate ventilation to control exposure within the guidelines of OSHA TWA 200 ppm.

SECTION III – EFFECTS OF OVEREXPOSURE	
Primary Routes of Entry:	Skin and inhalation.
Eyes:	Direct contact irritates slightly with redness and swelling.
Skin:	A single short exposure may cause irritation. Repeated prolonged exposure may cause mild irritation. Product releases MEKO, which is possible skin sensitizer.
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.
Ingestion:	There are no known symptoms of ingestion.
Special Hazards:	Carcinogens: None Known Teratogens: None Known Mutagens: None Known Reproductive Toxins: None Known
Sensitizers:	22984-54-9, Methyl Oximino Silane, Possible 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.

SECTION IV – EMERGENCY AND FIRST AID PROCEDURES	
Eyes:	Immediately flush eyes with copious amounts of water.
Skin:	Wipe off and wash with soap and water. Get medical attention if irritation or other ill effects develop or persist.
Inhalation:	Remove subject to fresh air. Get medical attention if ill effects persist.
Oral:	Get medical attention.
Comment:	Treat according to person's condition and specifics of exposure.

SECTION V – FIRE AND EXPLOSION DATA	
Flash Point:	Not Determined
Flammability in Air:	Lower: Not Determined Upper: 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.
Special Fire Fighting Procedures:	Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
Unusual Fire and Explosion Hazards:	None

SECTION VI – ACCIDENTAL RELEASE MEASUREMENTS	
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.

SECTION VII – HANDLING & 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 VIII.
Storage:	Keep container closed and store in a cool well-ventilated area. Avoid contact with water or moisture.

SECTION VIII – EXPOSURE CONTROLS & PERSONAL PROTECTION	
PROTECTIVE EQUIPMENT	
Eyes:	Wear safety glasses with side shields as a minimum.
Skin:	Washing at meal time and at the end of a shift. Chemical protective gloves are recommended.
Inhalation:	Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines.
Ventilation:	Local and general ventilation are recommended.
Suitable Respirator:	Organic Vapor Type
Comments:	None

SECTION IX – PHYSICAL DATA	
Boiling Point (@ 760 mm Hg)	Not Determined
Specific Gravity (@ 77°F/ 25°C)	1.13
Freeze Point	Not Determined
Vapor Pressure (@ 77°F/ 25°C)	Not Determined
Vapor Density (Air = 1 @ 77°F/ 25°C)	Not Determined
Percent Volatile by Weight (%)	Not Determined
Evaporation Rate (BuAc = 1)	Not Determined
Solubility in Water	Dilutable in wet stage
Odor, Appearance, Color	Hydrocarbon odor, paste, colored (gray or white)
Note: The above information is not intended for use in preparing product specifications. Contact Silchem Marketing Inc. before writing specifications.	

SECTION X – REACTIVITY DATA	
Stability:	Stable
Incompatibility (Material to Avoid):	Oxidizing material can cause a reaction.
Conditions to Avoid:	Open Flames and Sparks.
Hazardous Polymerization:	Will not occur.
Comments:	Water, moisture, or humid air- hazardous vapors form as described in Section II.

SECTION 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.

SECTION XII – TRANSPORT CONSIDERATIONS	
<b>D.O.T. Road Shipment Information (49 CFR 172.101)</b>	
Proper Shipping Name:	Petroleum Distillates, n.o.s.
Hazard Class:	C
UN/NA Number:	UN1268
Packing Group:	III
Label Required:	None
Remarks:	Above applies only to containers over 119 gallons or 450 liters.
<b>Ocean Shipment (IMDG)</b>	
Proper Shipping Name:	Petroleum Distillates, n.o.s.
Hazard Class:	3

UN/NA Number:	UN1268
Packing Group:	III
Label Required:	Flammable Liquid-3
<b>Air Shipment (IATA)</b>	
Proper Shipping Name:	Petroleum Distillates, n.o.s.
Hazard Class:	3
UN/NA Number:	UN1268
Packing Group:	III
Label Required:	Flammable Liquid-3

SECTION XIII – 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:		
Chemical Name	CAS Number	Max Weight %
Methanol	67-56-1	1.0
DSL: All ingredients are listed on the DSL		

Supplemental State Compliance		
<u>California:</u>		
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		
<u>Massachusetts:</u>		
<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
112945-52-5	4 – 10	Silica, Amorphous
67-56-1	< 1	Methanol
<u>New Jersey:</u>		

CAS Number	Wt %	Component Name
70131-67-8	20 – 70	Hydroxy-terminated polydimethylsiloxane
8052-41-3	20-40	Stoddard Solvent
21645-51-2	20-40	Aluminatrichydrate
63148-62-9	5 – 20	Polydimethylsiloxane
67762-90-7	2 – 10	Treated silica
22984-54-9	2 – 10	Methyl oximino silane
67-56-1	< 1	Methanol
<u>Pennsylvania:</u>		
CAS Number	Wt %	Component Name
70131-67-8	20 – 70	Hydroxy-terminated polydimethylsiloxane
8052-41-3	20 - 40	Stoddard Solvent
21645-51-2	20 – 40	Aluminatrichydrate
63148-62-9	5 – 20	Polydimethylsiloxane
67762-90-7	2 – 10	Treated silica
22984-54-9	2 – 10	Methyl oximino silane
67-56-1	< 1	Methanol

**SECTION XIV – SPECIAL COMMENTS**

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. Since the use of the product is not within the control of The Silchem Group, it is the user's obligation to determine the conditions of safe use.