

SAFETY DATA SHEET

gasket maker



SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hi-Temp 100% RTV Silicone Sealant

PRODUCT CODE: SP-1012

CHEMICAL FAMILY: Organic

USE: RTV Silicone Sealant, silicone gasket maker

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NO.	APPROX %	OSHA PEL	ACGIH TLV	OTHER LIMITS	HMIS	NFPA
Methyltriacetoxysilane	4253-34-3	2	10 ppm	10 ppm	STEL 15 ppm	H1, F1, R1	N/D
Ethyltriacetoxysilane	17689-77-9	2	10 ppm	10 ppm	STEL 15 ppm	H1, F1, R1	N/D
Silica	7631-86-9	10	6 mg/m3	10 mg/m3	N/D	H1, F0, R0	N/D

COMMENT: TVL for acetoxysilane based on acetic acid formed during curing on exposure to water, moisture, or humid air. Observe limits for acetic acid, formed during curing on exposure to water or humid air. OSHA PEL: TWA 10 ppm. ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

SECTION 3. HAZARDS IDENTIFICATION

SUMMARY OF ACUTE HAZARDS Vapor evolved during product curing may be irritating to nose and throat. Eye contact may cause intense Irritation and injury. May cause skin irritation.

ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	PRIMARY ROUTE(S)
INHALATION:	Irritation to respiratory system from vapor evolved during product curing.	YES
EYE CONTACT:	Contact may cause intense irritation and injury.	YES
SKIN CONTACT:	May cause skin irritation.	YES
INGESTION:	May cause gastrointestinal distress.	NO.

SECTION 4. FIRST AID MEASURES

INHALATION: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

EYE CONTACT: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.

INGESTION: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT: None

FLAMMABILITY LIMITS: LEL: None UEL: None

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained full face piece breathing apparatus and other protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use absorbent materials to prevent footing hazard and to contain. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing during cleanup.

SECTION 7. STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in cool place. Keep container closed and upright when not in use.

OTHER PRECAUTIONS: Provide adequate ventilation during use to keep ambient air acetic vapor concentration below TLV or use respirator protection.

COMMENT: When heated to temperatures above 302°F (150°C) in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard; a known skin and respiratory sensitizer; and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible exposure limit for formaldehyde. Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers. **KEEP OUT OF REACH OF CHILDREN.**

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators until vapors from cured product have dissipated.

VENTILATION – LOCAL EXHAUST: Maintain air flow during application.

MECHANICAL (GENERAL): Acceptable.

SPECIAL: N/A

PROTECTIVE GLOVES: Wear natural rubber or neoprene gloves. **OTHER:** N/A

EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent).

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

SPECIFIC GRAVITY (H₂O = 1): 1.04

VAPOR PRESSURE (mm Hg): < 5mm Hg

MELTING POINT: N/D

VAPOR DENSITY (AIR = 1): N/A

EVAPORATION RATE (ETHYL ACETATE = 1): N/A

SOLUBILITY IN WATER: N/D

APPEARANCE/ODOR: Paste / Acetic Acid Vinegar Odor

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Exposure to air or moisture until ready to use.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing material can cause a reaction. Air or moisture causes curing and acetic acid vapor forms.

HAZARDOUS DECOMPOSITION PRODUCTS: Silicone dioxide, carbon dioxide, and traces on incompletely burned carbon products, including formaldehyde.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11. TOXICOLOGY INFORMATION

CARCINOGENICITY: NTP: No **IARC MONOGRAPHS:** No **OSHA REGULATED:** No

SUBSTANCE	LD50	LC50
Methyltriacetoxysilane	Oral-Rat LD50:2060 mg/kg	N/D
Ethyltriacetoxysilane	N/D	N/D
Silica	N/D	N/D

SECTION 12. ECOLOGICAL INFORMATION

SUBSTANCE	FOOD CHAIN	WATERFOWL	BOD	AQUATIC TOXICITY
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	CON POTENTIAL	TOXICITY		
Methyltriacetoxysilane	N/D	N/D	N/D	N/D
Ethyltriacetoxysilane	N/D	N/D	N/D	N/D
Silica	N/D	N/D	N/D	N/D

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of clean up materials and liquid waste in accordance with all local, state and federal regulations.

SECTION 14. TRANSPORTATION INFORMATION

DOT: Non-Regulated
OCEAN (IMDG): Non-Regulated
AIR (IATA): Non-Regulated
WHMIS (CANADA): Non-Regulated

SECTION 15. REGULATORY INFORMATION

SUBSTANCE	SARA_313	TSCA INVENTORY	CERCLA_RQ	RCRA CODE
<i>Methyltriacetoxysilane</i>	No	Yes	N/A	N/A
<i>Ethyltriacetoxysilane</i>	Yes	Yes	1,000 lbs	N/A
<i>Silica</i>	Yes	Yes	100 lbs.	N/A

*****End of MSDS*****
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