

MATERIAL SAFETY DATA SHEET

MSDS 0546

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RectorSeal Hi-Temp 100% RTV Silicone Sealant
PRODUCT CODES: 57500
CHEMICAL FAMILY: Organic/Inorganic
USE: RTV Silicone Sealant
MANUFACTURER'S NAME: The RectorSeal Corporation
DATE OF PREPARATION: November 20, 2002
HMIS CODES: Health, Flammability, Reactivity
EMERGENCY TELEPHONE NO.: Chemtrec 24 Hours
TECHNICAL SERVICE TELEPHONE NO.: (800) 231-3345

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

Table with 4 columns: % by WT, CAS No., INGREDIENT, UNITS. Rows include Methyltriacetoxysilane (2%), Ethyltriacetoxysilane (2%), and Silica (10%) with their respective ACGIH TLV and OSHA PEL values.

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

INHALATION

Irritation to respiratory system from vapor evolved during product curing.

EYE CONTACT

Contact may cause intense irritation and injury.

SKIN CONTACT

May cause skin irritation.

INGESTION

INGESTION

May cause gastrointestinal distress.

SUMMARY OF CHRONIC HAZARDS

Repeated contact may cause dermatitis, eye irritation, or bronchitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, kidneys may have increased susceptibility to excessive exposure.

Section 4 -- FIRST AID MEASURES

- If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt act is essential.
- If on SKIN: Wash with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.
- If in EYES: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.
- If SWALLOWED: 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 | LEL | UEL |
| None        | N/D | N/D |

EXTINGUISHING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Scrape up spill. To prevent footing hazard. Avoid flushing into sewers, drains, waterways or soil. Wear protective clothing during clean up.

Section 7 -- HANDLING AND STORAGE

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 302F(150C) 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.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION  
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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.

SPECIAL: N/A

MECHANICAL (GENERAL): Acceptable.

OTHER: N/A

PROTECTIVE GLOVES: Coveralls recommended.

EYE PROTECTION: Safety glasses (ANSI Z-87.1)



