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Ver. No.2

Ver. Date October 20, 1999

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SLT00012
SLT00013
SLT00014
SLT00047

PRODUCT NAME: RectorSeal® No. 5®
PRODUCT CODES: 25790, 25631, 25551, 25431, 25300, 25391, 25271, 25191, 25112
CHEMICAL FAMILY: Organic
USE: Pipe Thread Sealant
MANUFACTURER / SUPPLIER
RectorSeal
2601 Spenwick
Houston, Texas 77055 USA

EMERGENCY TELEPHONE NUMBERS:

Chemtrec 24 hours: (800) 424-9300
RectorSeal: (713) 263-8001

NON EMERGENCY TELEPHONE NUMBERS:

Technical Service: (800) 231-3345

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NO.	APPROX	OSHA PEL	ACGIH TLV	OTHER LIMITS	HMIS	NFPA
		%					
Diacetone Alcohol	123-42-2	20-30	50 ppm	50 ppm	N/D	H1,F2,R0	H1,F2,R0

SECTION 3 HAZARDS IDENTIFICATION

SUMMARY OF ACUTE HAZARDS Irritation to eyes, nose and throat; drowsiness, narcosis, tremors and other CNS effects at high concentration.

ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	PRIMARY ROUTE(S)
INHALATION:	Nasal and respiratory irritation, dizziness, narcosis, headache, nausea, CNS depression and unconsciousness.	Yes
EYE CONTACT:	Watering, blurred vision, inflammation and irritation which can result in corneal injury.	Yes
SKIN CONTACT:	Irritation, dermatitis.	Yes
INGESTION:	Nausea, vomiting; CNS depression; irritation of gastrointestinal tract, liver and peritoneal wall; lung congestion.	No

SUMMARY OF CHRONIC HAZARDS: Skin irritation, dermatitis and defatting. Possible liver and kidney damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver or kidneys may have increased susceptibility to excessive exposures.

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: 150°F (65°C) SETA CC **FLAMMABILITY LIMITS:** LEL: N/D UEL: N/D

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. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible – moderate flash point. Vapors heavier than air and may travel along the ground or to low spots at considerable distances to a source of ignition resulting in potential flashback. Burning liquid may float on water. Heat may build up pressure and rupture containers.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

SECTION 7 STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames.

OTHER PRECAUTIONS: 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 purifying or supplied air respirators.
VENTILATION – LOCAL EXHAUST: Acceptable
MECHANICAL (GENERAL): Preferable
PROTECTIVE GLOVES: Wear non-permeable gloves.
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.

Special: Explosion-proof equipment.
OTHER: N/A
EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 322°F (161°C) @ 760mm Hg
VAPOR PRESSURE (mm Hg): 0.3 @ 68°F (20°C)
VAPOR DENSITY (AIR = 1): 1.1
SOLUBILITY IN WATER: 23%

SPECIFIC GRAVITY (H₂O = 1): 1.38
MELTING POINT: N/A
EVAPORATION RATE (ETHYL ACETATE = 1): 0.14
APPEARANCE/ODOR: Yellow Paste/Mild Odor

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Heat, sparks, open flames, and strong oxidizing. Temperatures above 500°F (260°C).
INCOMPATIBILITY (MATERIALS TO AVOID): Gaseous oxygen, strong oxidizing materials, molten alkali metals.
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂ and fragmented hydrocarbons.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGY INFORMATION

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

<u>SUBSTANCE</u>	<u>LD50</u>	<u>LC50</u>
Diacetone Alcohol	Oral-Rat LD50:4000 mg/kg	Inhalation-Human TClO:100 ppm

SECTION 12 ECOLOGICAL INFORMATION

<u>SUBSTANCE</u>	<u>FOOD CHAIN CON POTENTIAL</u>	<u>WATERFOWL TOXICITY</u>	<u>BOD</u>	<u>AQUATIC TOXICITY</u>
Diacetone Alcohol	N/A	N/A	N/A	N/A

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

<u>SUBSTANCE</u>	<u>SARA 313</u>	<u>TSCA INVENTORY</u>	<u>CERCLA RQ</u>	<u>RCRA CODE</u>
Diacetone Alcohol	No	Yes	N/A	N/A

SECTION 16 OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazardous Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, express or implied is made. Consult RectorSeal for further information: (713) 263-8001