

MATERIAL SAFETY DATA SHEET  
MSDS 0011

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION  
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PRODUCT NAME	HMIS CODES
1	Health
RectorSeal No. 5	Flammability
2	Reactivity
0	
PRODUCT CODES	PPI
B	
25112, 25191, 25271, 25300, 25431, 25551, 25552, 25631, 25633, 25780, 25790, 25793	
CHEMICAL FAMILY	
Organic	
USE	
Pipe Thread Sealant	
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
The RectorSeal Corporation	Chemtrec 24 Hours
2601 Spenwick Drive	(800)424-9300 USA
Houston, Texas 77055 USA	(703)527-3887
International	
DATE OF VALIDATION	TECHNICAL SERVICE
TELEPHONE NO.	
January 9, 2013	(800)231-3345 or
(713)263-8001	
DATE OF PREPARATION	
January 9, 2013	

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Section 2 -- HAZARDS IDENTIFICATION  
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EMERGENCY OVERVIEW

OSHA Hazards

Combustable

TARGET ORGANS

Not Classified

GHS CLASSIFICATION

PHYSICAL HAZARDS

Combustable liquid (Category 4)

HEALTH HAZARDS

Acute Toxicity:

Oral: Not Classified

Dermal: Not Classified

Inhalation: Not Classified

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Eye Irritation: Not Classified

Skin Sensitization: Not Classified

Respiratory Sensitization: Not Classified  
Germ Cell Mutagenicity: Not Classified  
Carcinogenicity: See Section 11  
Reproductive Toxicology: Not Classified  
Target Organ Systemic Toxicity - Single Exposure: Not Classified  
Target Organ Systemic Toxicity - Repeated Exposure: Not Classified  
Aspiration Toxicity: Not Classified

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GHS Label elements, including precautionary statements

Pictogram: Harmful / Irritant

Signal Word: Warning

Hazard Statements

H303 - May be harmful if swallowed.

H313 - May be harmful in contact with skin.

H335 + H336 - May cause respiratory irritation, and drowsiness or dizziness.

Precautionary Statements

P102 - Keep out of reach of children.

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P240 - Ground/Bond container and receiving equipment

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P262 - Do not get in eyes, on skin, or on clothing.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P362 - Take off contaminated clothing and wash before reuse.

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU No. 1272/2008

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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

INHALATION

Nasal and respiratory irritation, dizziness, narcosis, headache, nausea,

CNS depression and unconsciousness.

EYE CONTACT

Watering, blurred vision, inflammation and irritation which can result in

corneal injury.

SKIN CONTACT

Irritation, dermatitis.

INGESTION

Nausea, vomiting; CNS depression; irritation of gastrointestinal tract,

liver and peritoneal wall; lung congestion.

SUMMARY OF CHRONIC HAZARDS

Skin irritation and dermatitis. Possible liver and kidney damage.  
MEDICAL CONDITIONS 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.

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Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS  
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INGREDIENT: Diacetone Alcohol  
PERCENTAGE BY WEIGHT: 20-30  
CAS NUMBER: 123-42-2  
EC# : 204-626-7  
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Section 4 -- FIRST AID MEASURES  
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If INHALED: 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.  
If on SKIN: Wash with soap and water. If irritation occurs, seek medical attention.  
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get 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.  
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Section 5 -- FIRE FIGHTING MEASURES  
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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: 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.

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Section 6 -- ACCIDENTAL RELEASE MEASURES  
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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.  
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Section 7 -- HANDLING AND STORAGE  
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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.  
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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION  
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INGREDIENT	UNITS
Diacetone Alcohol	
ACGIH TLV	50 ppm
OSHA PEL	50 ppm

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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

SPECIAL: Explosion-proof equipment.

MECHANICAL (GENERAL): Preferable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

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.

Laundry contaminated clothing before reuse.  
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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT: 322 F (161 C) @ 760mm Hg  
SPECIFIC GRAVITY (H2O = 1): 1.38  
VAPOR PRESSURE (mm Hg): 0.3 @ 68 F (20 C)  
MELTING POINT: N/A  
VAPOR DENSITY (AIR = 1): 1.1  
EVAPORATION RATE (ETHYL ACETATE = 1): 0.14  
APPEARANCE/ODOR: Yellow Paste/Mild Odor  
SOLUBILITY IN WATER: 23%  
VOLATILE ORGANIC COMPOUNDS (VOC) Content  
(Theoretical Percentage By Weight): 23% or (317 g/L)  
Flash POINT 150 F (65 C) SETA CC  
LOWER EXPLOSION LIMIT N/D  
UPPER EXPLOSION LIMIT N/D  
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Section 10 -- STABILITY AND REACTIVITY

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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.  
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Section 11 -- TOXICOLOGY INFORMATION

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CHRONIC HEALTH HAZARDS  
No ingredients in this product is an IARC, NTP or OSHA Lister  
carcinogen.  
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TOXICOLOGY DATA  
Ingredient Name  
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Diacetone Alcohol  
Oral-Rat LD50:4000 mg/kg  
Inhalation-Human TCLo: 100 ppm  
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Section 12 -- Ecological Information

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ECOLOGICAL DATA  
Ingredient Name  
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Diacetone Alcohol  
Food Chain Concentration Potential N/A  
WATERFOWL TOXICITY N/A  
BOD N/A

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Section 13 -- DISPOSAL CONSIDERATIONS

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Waste Classification: Non-regulated solid waste  
Disposal Method: Approved landfill  
Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

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Section 14 -- TRANSPORTATION INFORMATION

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

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Section 15 -- REGULATORY INFORMATION

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REGULATORY DATA  
Ingredient Name

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Diacetone Alcohol  
SARA 313 N/A  
TSCA Inventory Yes  
CERCLA RQ N/A  
RCRA Code N/A

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Section 16 -- OTHER INFORMATION

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