



## SAFETY DATA SHEET

### RECTORSEAL® NO. 7

Corrosive chemical pipe thread sealant

#### SECTION 1 – PRODUCT AND COMPANY INFORMATION

**Product Name**

Rectorseal® No.7

**Product Codes**

17432

**Chemical Family**

Organic

**Use**

Pipe thread sealant

**Manufacturer's Name**

The RectorSeal Corporation  
2601 Spenwick Drive  
Houston, Texas 77055 USA

**Date of Validation**

June 14, 2016

**Date of Preparation**

June 14, 2016

**HMIS Codes**

Health	2
Flammability	3
Reactivity	0
PPI	B

**Emergency Telephone No.**

Chemtrec 24 Hours  
(800)-424-9300 USA  
(703)-527-3887 International

**Technical Service Telephone No.**

(800)-231-3345 or (713)-263-8001

#### SECTION 2 – HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

**OSHA Hazards**

Flammable liquid, Target Organ Effect, Irritant

**Target Organs**

Liver, Kidney/Liver, Kidney

##### GHS CLASSIFICATION

**Physical Hazards**

Flammable Liquid, Category 3

**Health Hazards**

**Acute Toxicity:**

Oral: Category 4

Dermal: Category 5

Inhalation: Category 4

Skin Corrosion/Irritation: Category 3

Serious Eye Damage/Eye Irritation: Category 2A

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: Category 3  
Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

## GHS Label elements, including precautionary statements



GHS02: Flammable  
GHS07: Exclamation Mark  
Signal Word: **Danger**

### Hazard Statements:

H226 - Flammable liquid and vapour.  
H302 - Harmful if swallowed.  
H313 - May be harmful in contact with skin.  
H316 - Causes mild skin irritation.  
H318 - Causes serious eye damage.  
H319 - Causes serious eye irritation  
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

## 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.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredient:** Diacetone Alcohol

Percentage By Weight: 24.7

CAS Number: 123-42-2

EC#: 204-626-7

**Ingredient:** Ethyl Acetate

Percentage By Weight: 3.76

CAS Number: 141-78-6

EC#: 205-500-4

**Ingredient:** Methyl Isobutyl Ketone

Percentage By Weight: 0.1

CAS Number: 108-10-1

EC#: 203-550-1

## 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 action is essential.
- If on skin: Immediately flush with large amounts of water for at least 15 minutes. 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.

## SECTION 5 – FIRE FIGHTING MEASURES

### 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:** Flammable - ambient 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 – HANDLING AND STORAGE

**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

Ingredient	Units
<b>Diacetone Alcohol</b>	
ACGIH TLV:	50 ppm
OSHA PEL:	50 ppm
<b>Ethyl Acetate</b>	
ACGIH TLV:	400 ppm
OSHA PEL:	400 ppm
<b>Methyl Isobutyl Ketone</b>	
ACGIH TLV:	50 ppm
OSHA PEL:	100 ppm

**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. Launder contaminated clothing before reuse.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling point:	322°F (161°C) @ 760 mmHg
Specific gravity (H <sub>2</sub> O = 1):	1.46
Vapor pressure (mmHg):	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:	Black paste/Mild odor
Solubility in water:	Insoluble
Volatile Organic Compounds (VOC) Content (theoretical percentage by weight):	28% or (408 g/L)
Flash point:	77°F (25°C) SETA CC
Lower explosion limit:	N/D
Upper explosion limit:	N/D

## 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, CO<sub>2</sub> and fragmented hydrocarbons.

**Hazardous Polymerization:** Will not occur.

SECTION 11 – TOXICOLOGY INFORMATION

**Chronic Health Hazards**

No ingredient in this product is an IARC, NTP or OSHA Lister carcinogen.

Toxicology Data

Ingredient Name

**Diacetone Alcohol**

Oral-Rat LD50: 4000 mg/kg

Inhalation-Human: 100 ppm

**Ethyl Acetate**

Oral-Rat LD50: 5620 mg/kg

Inhalation-Rat LC50: 100 ppm

Skin Rabbit LD50: >20 ml/kg

**Methyl Isobutyl Ketone**

Oral-Rat LD50: 2080 mg/kg

Skin Rabbit > 20 ml/kg: Irritation eye rabbit

SECTION 12 – ECOLOGICAL INFORMATION

**Ecological Data**

Ingredient Name: **Diacetone Alcohol**

Food Chain Concentration Potential N/A

Waterfowl Toxicity N/A

BOD N/A

Aquatic Toxicity N/A

Ingredient Name: **Ethyl Acetate**

Food Chain Concentration Potential N/A

Waterfowl Toxicity LC50/96-Hr values for fish are > 100 mg/L

BOD N/A

Aquatic Toxicity N/A

Ingredient Name: **Methyl Isobutyl Ketone**

Food Chain Concentration Potential N/A

Waterfowl Toxicity N/A

BOD N/A

Aquatic Toxicity N/A

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Classification:** RCRA Hazardous Waste, D001

**Disposal Method:** Approved incineration

Waste from this product is 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.

## SECTION 14 – TRANSPORTATION INFORMATION

DOT:	UN1993, Flammable liquid n.o.s. (contains diacetone alcohol & ethyl acetate), Class 3, PG III, ERG#128 Quarts and less: UN1993, Flammable liquid n.o.s. (contains diacetone alcohol & ethyl acetate), Class 3, PG III, Limited Quantities or Ltd. Qty.
Ocean (IMDG):	UN1993, Flammable liquid n.o.s. (contains diacetone alcohol & ethyl acetate), Class 3, PG III, MFAG#3-07 Quarts and less: UN1993, Flammable liquid n.o.s. (contains diacetone alcohol & ethyl acetate), Class 3, PG III, Limited Quantities or Ltd. Qty.
Air (IATA):	UN1993, Flammable liquid n.o.s. (contains diacetone alcohol & ethyl acetate), Class 3, PG III, ERG#128

## SECTION 15 – REGULATORY INFORMATION

### Regulatory Data

Ingredient Name:	<b>Diacetone Alcohol</b>
SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Ingredient Name:	<b>Ethyl Acetate</b>
SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	U112

## Regulatory Data (cont.)

Ingredient Name:	<b>Methyl Isobutyl Ketone</b>
SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

## SECTION 16 – OTHER INFORMATION

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