

The logo for RectorSeal, featuring the word "RECTORSEAL" in a bold, sans-serif font. The letters "RECTOR" are in black and "SEAL" is in white, both contained within a red-outlined hexagonal shape. A small registered trademark symbol (®) is located to the right of the word "SEAL".

## SAFETY DATA SHEET

**ZIPPTM**

Quick-drying degreaser

## SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name

Zipp™

Product Codes

82642

Chemical Family

Organic

Use

Cleaner and degreaser

Manufacturer's Name

The RectorSeal Corporation

2601 Spenwick Drive

Houston, Texas 77055 USA

Date of Validation

March 7, 2017

Date of Preparation

March 7, 2017

HMIS Codes

Health 2

Flammability 0

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**

Carcinogen, Target Organ Effect, Harmful by ingestion., Irritant

**Target Organs**

Liver, pancreas, Blood, Central nervous system, Heart, Kidney

**GHS Classification**

Acute toxicity, Oral (Category 5)

Skin irritation (Category 2)

Eye irritation (Category 2B)

Carcinogenicity (Category 2)

## GHS Label elements, including precautionary statements



GHS04: Compressed Gas Cylinder

GHS07: Exclamation Mark

GHS08: Health Hazard

Signal Word: **Warning**

### Hazard statement(s)

H302 - Harmful if swallowed.

H315 + H320 - Causes skin and eye irritation.

H351 - Suspected of causing cancer.

H401 - Toxic to aquatic life.

### Precautionary statement(s)

P281 - Use personal protective equipment as required.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Summary Of Acute Hazards

Repeated inhalation may cause dizziness, nausea and CNS effects. May cause severe eye and skin irritation.

## Route Of Exposure, Signs And Symptoms

### INHALATION

Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

### EYE CONTACT

Contact with eyes may cause severe irritation.

### SKIN CONTACT

Irritation and drying.

### INGESTION

May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

### SUMMARY OF CHRONIC HAZARDS

Skin irritation, contact dermatitis, and defatting.

### 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 exposure.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

|                       |                     |
|-----------------------|---------------------|
| <b>Ingredient:</b>    | Tetrachloroethylene |
| Percentage By Weight: | 92                  |
| CAS Number:           | 127-18-4            |
| EC#:                  | 204-825-9           |
| <b>Ingredient:</b>    | Methylene Chloride  |
| Percentage By Weight: | 5                   |
| CAS Number:           | 75-09-2             |
| EC#:                  | 200-838-9           |

## 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 wash with soap and water. Remove and wash any contaminated clothing.                                                                                                  |
| If in eyes:   | Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.                                                                              |
| 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, CO<sub>2</sub>, or water fog.

**Special Fire Fighting Procedures:** Wear self-contained full face piece breathing apparatus and full body protective clothing. Hazardous decomposition products possible (see Section 10). Evacuate area. Dike area as run-off may create additional environmental contamination.

**Unusual Fire And Explosion Hazards:** Aerosol cans are under pressure– exposure to temperatures above 120°F (48°C) can cause bursting or "rocketing" of cans.

## 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. Ventilate area with 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:** Shake well before using. Keep away from heat and open flames. Prolonged exposure to direct sunshine or storage above 120°F (48°C) may cause can to burst. Do not puncture or incinerate can.

**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.

KEEP OUT OF REACH OF CHILDREN.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

| Ingredient | Units |
|------------|-------|
|------------|-------|

|                            |  |
|----------------------------|--|
| <b>Tetrachloroethylene</b> |  |
|----------------------------|--|

|            |        |
|------------|--------|
| ACGIH TLV: | 50 ppm |
|------------|--------|

|           |         |
|-----------|---------|
| OSHA PEL: | 100 ppm |
|-----------|---------|

|                           |  |
|---------------------------|--|
| <b>Methylene Chloride</b> |  |
|---------------------------|--|

|            |        |
|------------|--------|
| ACGIH TLV: | 50 ppm |
|------------|--------|

|           |        |
|-----------|--------|
| OSHA PEL: | 25 ppm |
|-----------|--------|

|            |         |
|------------|---------|
| OSHA STEL: | 125 ppm |
|------------|---------|

**Respiratory Protection (Specify Type):** In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirator.

**Ventilation – Local Exhaust:** Acceptable

**Special:** Explosion proof

**Mechanical (General):** Acceptable

**Other:** N/A

**Protective Gloves:** Wear rubber gloves.

**Eye Protection:** Safety glasses (ANSI Z-87.1 or equivalent)

**Other Protective Clothing Or Equipment:** Chemical resistant 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:                                                                  | 104°F (40°C) @ 760mm Hg  |
| Specific gravity (H2O = 1):                                                     | 1.27                     |
| Vapor pressure (mmHg):                                                          | 350 mm Hg @ 68°F (20°C)  |
| Melting point:                                                                  | N/A                      |
| Vapor Density (Air = 1):                                                        | 2.9                      |
| Evaporation rate (Ethyl Acetate = 1):                                           | > 1                      |
| Appearance/Odor:                                                                | Clear liquid/Mild odor   |
| Solubility in water:                                                            | Insoluble                |
| Volatile Organic Compounds (VOC) Content<br>(theoretical percentage by weight): | 0% or 0 g/L (VOC Exempt) |
| Flash point:                                                                    | None                     |
| Lower explosion limit:                                                          | N/D                      |
| Upper explosion limit:                                                          | N/D                      |
| Aerosol flame extension:                                                        | Negative                 |

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions To Avoid:** Do not store in temperatures above 120°F (48°C).

**Incompatibility (Materials To Avoid):** Oxidizers, acids and bases.

**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 listed carcinogen.

Methylene chloride has been shown to cause cancer in certain laboratory animals. Risk to your health depends on level and duration of exposure.

IARC: 2A - Group 2A: Probably carcinogenic to humans (Tetrachloroethylene)

NTP: Reasonably anticipated to be a human carcinogen (Tetrachloroethylene)

**Toxicology Data****Ingredient Name****Tetrachloroethylene**

Oral-Rat LD50: 2629 mg/kg

Inhalation-Rat LC50: 34,200 mg/m<sup>3</sup>/8H

## Toxicology Data (cont.)

**Methylene Chloride**

Oral-Rat LD50: 1600 mg/kg

Inhalation-Rat LC50: 88,000 mg/m<sup>3</sup>/30M

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecological Data**

|                                    |                            |
|------------------------------------|----------------------------|
| Ingredient Name:                   | <b>Tetrachloroethylene</b> |
| Food Chain Concentration Potential | None                       |
| Waterfowl Toxicity                 | N/A                        |
| BOD                                | None                       |
| Aquatic Toxicity                   | N/A                        |
| Ingredient Name:                   | <b>Methylene Chloride</b>  |
| Food Chain Concentration Potential | None                       |
| Waterfowl Toxicity                 | N/A                        |
| BOD                                | N/A                        |
| Aquatic Toxicity                   | N/A                        |

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Classification:** Aerosols

**Disposal Method:** Empty containers can be disposed of in trash. Full containers should be depressurized to separate liquid phase. The liquid phase is considered a U210 and U080 hazardous waste and should be incinerated. Dispose of all liquid waste in accordance with all local, state and federal regulations.

## SECTION 14 – TRANSPORTATION INFORMATION

|               |                                                                            |
|---------------|----------------------------------------------------------------------------|
| DOT:          | Limited Quantity or Ltd Qty                                                |
| Ocean (IMDG): | UN1950, Aerosols, Class 2.2, Limited Quantity or LTD-QTY, EMS-No: F-A, S-A |
| Air (IATA):   | UN1950, Aerosols, Class 2.2, ERG#126                                       |

## SECTION 15 – REGULATORY INFORMATION

## Regulatory Data

|                  |                            |
|------------------|----------------------------|
| Ingredient Name: | <b>Tetrachloroethylene</b> |
| SARA 313         | Yes                        |
| TSCA Inventory   | Yes                        |
| CERCLA RQ        | 100 lbs.                   |
| RCRA Code        | U210                       |

|                  |                           |
|------------------|---------------------------|
| Ingredient Name: | <b>Methylene Chloride</b> |
| SARA 313         | Yes                       |
| TSCA Inventory   | Yes                       |
| CERCLA RQ        | 1,000 lbs.                |
| RCRA Code        | U080                      |

## California Proposition 65



**WARNING:** This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 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