



# SAFETY DATA SHEET

## ZIPP II™

Environmentally safer quick-drying degreaser

### SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name

Zipp II™

Product Codes

82645

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

#### GHS Classification

Skin irritation (Category 2)

Eye irritation (Category 2A)

Reproductive toxicity (Category 1B)

Specific target organ toxicity - single exposure (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Acute aquatic toxicity (Category 3)

Chronic aquatic toxicity (Category 3)

#### GHS Label elements, including precautionary statements



GHS04: Compressed Gas Cylinder

GHS07: Exclamation Mark

GHS08: Health Hazard

Signal Word: **Warning**

**Hazard statement(s)**

- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.
- H335 + H336 May cause respiratory irritation, and drowsiness or dizziness.
- H360 - May damage fertility or the unborn child.
- H371 - May cause damage to organs.
- H412 - Harmful to aquatic life with long lasting effects.

**Precautionary statement(s)**

- P201 - Obtain special instructions before use.
- P210 - Keep away from heat/sparks/open flames/hot surfaces – no smoking.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P273 - Avoid release to the environment.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P313 IF exposed or concerned: Get medical advice/attention.

**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>	Propyl bromide
Percentage By Weight:	> 94
CAS Number:	106-94-5
EC#:	203-445-0

## 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
------------	-------

**Propyl bromide**

ACGIH TLV:	10 ppm
------------	--------

OSHA PEL:	N/D
-----------	-----

**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:	160°F (71°C) @ 760mm Hg
----------------	-------------------------

Specific gravity (H <sub>2</sub> O = 1):	1.33
--	------

Vapor pressure (mmHg):	139 mm Hg @ 68°F (20°C)
------------------------	-------------------------

Melting point:	N/A
----------------	-----

Vapor Density (Air = 1):	< 1
--------------------------	-----

Evaporation rate (Ethyl Acetate = 1):	> 1
---------------------------------------	-----

Appearance/Odor:	Clear liquid/Mild odor
------------------	------------------------

Solubility in water:	Moderately soluble in water
----------------------	-----------------------------

Volatile Organic Compounds (VOC) Content (theoretical percentage by weight):	100% or 1000 g/L
---	------------------

Flash point:	None
--------------	------

Aerosol flame extension:	Negative
--------------------------	----------

NFPA Aerosol level:	1
---------------------	---

Flammable/Explosion limits (percentage by volume in air):	4.0 – 8.0
--	-----------

Auto ignition temperature:	490°C for n-propyl bromide
----------------------------	----------------------------

## 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.

Toxicology Data

Ingredient Name

**Propyl bromide**

Oral-Rat LD50: 4000 mg/kg

Inhalation-Rat LC50: 253,000 mg/m<sup>3</sup>/30M

## SECTION 12 – ECOLOGICAL INFORMATION

Toxicity to fish LC50: *Pimephales promelas* (fathead minnow) - 67.3 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 - *Daphnia magna* (Water flea) - 208.9 mg/l - 48 h

**Persistence and degradability**

Biodegradability Result: 19.20 % - Not readily biodegradable.

Bioaccumulative potential: No data available

Mobility in soil: No data available

PBT and vPvB assessment: No data available

**Other adverse effects:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

## 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. 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, Limited Quantity or Ltd Qty  
 Air (IATA): UN1950, Aerosols, Class 2.2, ERG#126

## SECTION 15 – REGULATORY INFORMATION

**Regulatory Data**

Ingredient Name:	<b>Trade Secret</b>
SARA 313	No
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

**California Proposition 65**

This product contains a chemical known to the state of California to cause cancer and/or birth defects or reproductive harm.

## 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