



A CSW Industrials Company

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/Inorganic

Use

Degreaser

Manufacturer's Name

RectorSeal LLC
2601 Spenwick Drive
Houston, Texas 77055 USA

Date of validation

February 10, 2022

Date of Preparation

February 10, 2022

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

Gases Under Pressure: Dissolved Gas

Physical Hazards

None

Health Hazards

Acute Toxicity:

Oral: Not Classified

Dermal: Not Classified

Inhalation: Not Classified

Skin Corrosion/Irritation: Category 2

Serious Eye Damage/Eye Irritation: Category 2A

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Category 1B

Reproductive Toxicology: Category 1B

Target Organ Systemic Toxicity - Single Exposure: Category 3

Target Organ Systemic Toxicity - Repeated Exposure: Category 1

Aspiration Toxicity: Not Classified

SECTION 2 - HAZARDS IDENTIFICATION

Environmental Hazards

Hazardous to the Aquatic Environment: Not Classified

Acute aquatic toxicity: Not Classified

Chronic aquatic toxicity: Not Classified

Bioaccumulation potential: Not Classified

Rapid degradability: Not Classified

GHS Label elements, including precautionary statements

GHS07: Exclamation Mark/Irritant

Signal Word: Danger

Hazard Statements:

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary Statements:

P102 - Keep out of reach of children.

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

P264 - Wash hands thoroughly after handling.

P281 Use personal protective equipment as required.

Summary Of Acute Hazards

Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. May cause respiratory irritation and central nervous system (CNS) depression. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Route Of Exposure, Signs And Symptoms

INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.

SKIN CONTACT: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention. Never give anything by mouth to an unconscious person.

SUMMARY OF CHRONIC HAZARDS: Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, reproductive or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

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

Ingredient: n-Propyl bromide

Percentage By Weight: 65-75%

CAS Number: 106-94-5

EC#: N/D

Ingredient: Carbon dioxide

Percentage By Weight: 1-5%

CAS#: 124-38-9

EC#: N/D

SECTION 4 - FIRST AID MEASURES

- IF INHALED:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
- IF ON SKIN:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.
- IF IN EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.
- IF SWALLOWED:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing media

Dry chemical, carbon dioxide, and alcohol foam. Water may be effective for cooling but not extinguishing.

Unsuitable extinguishing media

N/A

Special fire fighting procedures

Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

Unusual fire and explosion hazards

Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

Hazardous combustion products

Oxides of carbon, hydrogen halides, bromides.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal protective equipment

Refer to section VIII for proper Personal Protective Equipment.

Spill

Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. U.S. regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll-free number for the U.S. Coast Guard National Response Center is 800-424-8802.

Waste disposal:

Dispose of in accordance with local, state, and federal regulations. Do not dump in sewers.

RCRA status

Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 7 - HANDLING AND STORAGE

Precautions to be taken in handling and storing:

Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Wear proper personal protective equipment when using this product. Store in a cool, dry area. Keep away from heat, open flames, or other sources of ignition. Wash hands after use. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. Do not use or store with strong oxidizers.

Other precautions:

Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

Incompatibility:

Strong alkalis, oxidizers, bases, reactive metals, and natural rubber.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

n-Propyl bromide

ACGIH TLV: 0.1 ppm

OSHA PEL: N/D

Carbon dioxide

ACGIH TLV: 5000 ppm

OSHA PEL: 5000 ppm

Respiratory Protection (Specify Type): Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

Ventilation: Use only in well-ventilated areas.

Special: N/A

Mechanical (General): Acceptable.

Other: N/A

Protective Gloves: Chemical resistant gloves.

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

Other Protective Clothing or Equipment: Coveralls recommended.

Additional Measures: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective clothing to prevent repeated or prolonged contact with product. Do not touch eyes when using this product. Wash hands thoroughly with soap and water after use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| APPEARANCE | Clear, colorless spray |
| ODOR | Cherry Scent |
| ODOR THRESHOLD | N/D |
| pH | N/D |
| MELTING POINT/FREEZING POINT | N/D |
| INITIAL BOILING POINT AND BOILING RANGE | N/D |
| FLASH POINT | N/D |
| EVAPORATION RATE | > 3 Fast |
| FLAMMABILITY(solid/gas) | Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200) |
| UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: | > 400°F (204°C) SETA CC |
| LOWER FLAMMABILITY LIMIT | N/D |
| UPPER FLAMMABILITY LIMIT | N/D |
| EXPLOSIVE LIMIT LOWER (%) | N/D |
| EXPLOISVE LIMIT UPPER (%) | N/D |
| VAPOR PRESSURE (mm Hg) | N/D |
| VAPOR DENSITY (AIR=1) | N/D |
| RELATIVE DENSITY (H2O=1) | 1.3 - 1.35 @ 77 °F (25 °C) |
| SOLUBILITY(IES) | Non-soluble in water. |
| PARTITION COEFFICIENT | n-OCTANOL/WATER (KOW) |
| AUTOIGNITION TEMPERATURE | N/D |
| DECOMPOSITION TEMPERATURE | N/D |
| VISCOSITY | N/D |

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:

Chemically active metals and acids.

Stability:

Stable

Possible hazardous reactions:

None known.

Conditions to avoid:

Avoid open flame, electric arc and other high energy ignition sources. Prolonged contact with free water may result in diminished stabilizer and corrosion. Avoid incompatibles.

Incompatibility (materials to avoid):

Strong alkalis, oxidizers, bases, reactive metals, and natural rubber.

Hazardous decomposition products:

Oxides of carbon, hydrogen halides, bromides.

SECTION 11 - TOXICOLOGY INFORMATION

Toxicology Data:

Ingredient name

n-Propyl bromide

| | |
|------------------------------|-------------|
| CAS# | 106-94-5 |
| LD50 (Oral, Rat) | 4260 mg/kg; |
| LC50 (Inhalation, Rat, 0.5h) | 50291 ppm; |
| LC50 (Inhalation, Rat, 4h) | 14374 ppm |

Carcinogenicity:

| | |
|--------|---------------------------------|
| OSHA: | NO |
| ACGIH: | NO |
| NTP: | 2 - ANTICIPATED |
| IARC: | 2B - POSSIBLE OTHER: CA PROP 65 |

Routes of Entry:

| | |
|-------------|--|
| EYES: | Causes irritation, redness, tearing, pain |
| INGESTION: | May cause gastrointestinal irritation, headaches, nausea, diarrhea. |
| INHALATION: | May cause respiratory tract irritation, dizziness, headaches, drowsiness, unconsciousness. |
| SKIN: | Causes localized defatting, irritation. |

Acute Health Hazards:

Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. May cause respiratory irritation and central nervous system (CNS) depression. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Health Hazards:

Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, reproductive or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Data:Ingredient Name: **n-Propyl bromide**

CAS# 106-94-5

LC50 (*Pimephales promelas*, 96h) 67 mg/LEC50 (*Daphnia*, 24h) 208.9 mg/L**Persistence and degradability**

Component or components of this product are not biodegradable.

Bioaccumulative potential

This product is not expected to bioaccumulate.

Mobility in soil

This product is mobile in soil.

Other adverse effects

None known.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with local, state, and federal regulations. Do not dump in sewers.

RCRA Status: Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14 - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN1950
PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols.
HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN1950
PACKING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG) PROPER SHIPPING NAME: Aerosols.
HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN1950
PACKING GROUP: N/A
ENVIRONMENTAL HAZARDS WATER: N/A

SECTION 15 - REGULATORY INFORMATION

TSCA Status:

All chemicals are listed or exempt.

CERCLA (Comprehensive Response Compensation, and Liability Act):

1,2-Butylene oxide (106-88-7) Reportable Quantity = 100 pounds.

SARA 311/312 Hazard Categories:

This product is mobile in soil.

SARA 313 Reportable Ingredients:

None known.

State Regulations:**California****Proposition 65:**

WARNING: This product can expose you to chemicals including 1- Bromopropane (1-BP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**Isopropyl alcohol
(67-63-0):**

Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CT, FL, IL, MA, MN, NJ, PA, RI, TN.

**n-Propyl bromide
(106-94-5):**

Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, NJ, PA.

**1,2-Butylene oxide
(106-88-7):**

Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, MA, MN, NJ, PA, RI.

**Nitromethane
(75-52-5):**

Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: FL, MN, MA, NJ, PA, RI.

**sec-Butyl alcohol
(78-92-2):**

Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, NJ, PA, RI.

International Regulations: No information available.

Volatile Organic Compounds (VOC): 96%

NFPA Health: 2

NFPA Flammability: 0

NFPA Reactivity: 0

NFPA Other: None

HMIS Health: 2

HMIS Flammability: 0

HMIS Reactivity: 0

HMIS Protection: B

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