

## SAFETY DATA SHEET

SDS 0047

## Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

|                            | HMIS CODES                      |
|----------------------------|---------------------------------|
| PRODUCT NAME               | Health 1                        |
| Break Out Aerosol          | Flammability 2                  |
|                            | Reactivity 0                    |
| PRODUCT CODES              | PPI B                           |
| 73861                      |                                 |
| CHEMICAL FAMILY            |                                 |
| Organic                    |                                 |
| USE                        |                                 |
| Lubricant                  |                                 |
| 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 23, 2015           | (800)231-3345 or (713)263-8001  |
| DATE OF PREPARATION        |                                 |
| March 5, 2013              |                                 |

## Section 2 -- HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

OSHA Hazards

Irritant

GHS Classification

Acute toxicity, Inhalation (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Acute aquatic toxicity (Category 3)

Hazardous to the ozone layer (Category 1)

GHS Label elements, including precautionary statements

Pictogram: Irritant

Signal Word: Warning

Hazard statement(s)

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H280 - Contains gas under pressure; may explode if heated.

Precautionary statement(s)

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

P260 - Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/ protective clothing.

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.

P307 + P311 - IF exposed: Call a POISON CENTER or doctor/ physician.

## 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

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INGREDIENT: Petroleum Oil

PERCENTAGE BY WEIGHT: 15

CAS NUMBER: 64741-96-4

EC#: 265-097-6  
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INGREDIENT: Copper Flakes

PERCENTAGE BY WEIGHT: 5

CAS#: 7440-50-8

EC#: 231-159-6  
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INGREDIENT: 1,1,1-Trichloroethane

PERCENTAGE BY WEIGHT: 55

CAS#: 71-55-6

EC#: 602-013-00-2  
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INGREDIENT: A-70 Hydrocarbon Propellant

PERCENTAGE BY WEIGHT: 25

CAS#: 68476-85-7

EC#: 270-704-2  
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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: 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.  
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### 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 can cause bursting or "rocketing" of cans.  
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### Section 6 -- ACCIDENTAL RELEASE MEASURES

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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 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.

#### Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

##### INGREDIENT UNITS

##### Petroleum Oil

ACGIH TLV 5 mg/m3

OSHA PEL 5 mg/m3

##### Copper Flakes

ACGIH TLV 1 mg/m3

OSHA PEL 1 mg/m3

##### 1,1,1-Trichloroethane

ACGIH TLV 350 PPM

OSHA PEL 350 PPM

OSHA STEL 450 PPM3

##### A-70 Hydrocarbon Propellant

ACGIH TLV 1000 PPM

OSHA PEL 1000 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: 165 F (74 C) @ 760 mm Hg

SPECIFIC GRAVITY (H2O = 1): <1

VAPOR PRESSURE (mm Hg): N/D

MELTING POINT: N/A

VAPOR DENSITY (AIR = 1): <1

EVAPORATION RATE (ETHYL ACETATE = 1): >1

APPEARANCE/ODOR: Copper Liquid / Petroleum Odor

SOLUBILITY IN WATER: Insoluble

AEROSOL FLAME EXTENSION: Positive

NFPA AEROSOL LEVEL: 3

FLASH POINT 466 F (241 C) SETA CC

LOWER EXPLOSION LIMIT N/D

UPPER EXPLOSION LIMIT N/D

VOLATILE ORGANIC COMPOUNDS(VOC)Content (Theoretical Percentage By Weight): 80% or (800 g/L)

## Section 10 -- STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Do not store in temperatures above 120 F.

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

##### Petroleum Oil

Oral-Rat LD50:N/D

Inhalation-Rat LC50:N/D

##### Copper Flakes

Oral-Rat TDLo:152 mg/kg (22W pre)

Inhalation-Rat LC50:N/D

##### 1,1,1-Trichloroethane

Oral-Rat LD50:9600 mg/kg

Inhalation-Mouse LC50:3911 ppm/2H

##### A-70 Hydrocarbon

Oral-Rat LD50:N/D

Inhalation-Rat LC50:N/D

## Section 12 -- Ecological Information

### ECOLOGICAL DATA

#### Ingredient Name

##### Petroleum Oil

Food Chain Concentration Potential: N/D

WATERFOWL TOXICITY: N/D

BOD: N/D

AQUATIC TOXICITY: N/D

##### Copper Flakes

Food Chain Concentration Potential: N/D

WATERFOWL TOXICITY: N/D

BOD: N/D

AQUATIC TOXICITY: N/D

##### 1,1,1-Trichloroethane

Food Chain Concentration Potential: N/D

WATERFOWL TOXICITY: N/A

BOD: N/A

AQUATIC TOXICITY: 75-150 ppm/pin fish

##### A-70 Hydrocarbon

Food Chain Concentration Potential: None

WATERFOWL TOXICITY: None

BOD: None

AQUATIC TOXICITY: None

## 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: Consumer Commodity ORM-D

OCEAN (IMDG): UN1950, Aerosols, Class 2, Limited Quantities or LTD QTY,

EMS-No: F-E, S-D

AIR (IATA): UN1950, Aerosols, Flammable, Class 2.1, ERG#126

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Section 15 -- REGULATORY INFORMATION  
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## REGULATORY DATA

Ingredient Name  
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## Petroleum Oil

|                |     |
|----------------|-----|
| SARA 313       | No  |
| TSCA Inventory | Yes |
| CERCLA RQ      | N/A |
| RCRA Code      | N/A |

## Copper Flakes

|                |           |
|----------------|-----------|
| SARA 313       | Yes       |
| TSCA Inventory | Yes       |
| CERCLA RQ      | 5,000 lb. |
| RCRA Code      | N/A       |

## 1,1,1-Trichloroethane

|                |           |
|----------------|-----------|
| SARA 313       | Yes       |
| TSCA Inventory | Yes       |
| CERCLA RQ      | 1,000 lb. |
| RCRA Code      | U226      |

## A-70 Hydrocarbon

|                |     |
|----------------|-----|
| SARA 313       | No  |
| 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