



# **FY2024 SDS Binder**

## **Section 60**

### **Rectorseal Break-Out™**

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A CSW Industrials Company

SAFETY DATA SHEET

**BREAK-OUT™**

High temperature anti-seize & lubricant

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name  
Break-Out

Product Codes  
73551, 73431

Chemical Family  
Organic

Use  
Lubricant

Manufacturer's Name  
RectorSeal LLC  
2601 Spenwick Drive  
Houston, Texas 77055 USA

Date of validation  
June 21, 2022

Date of Preparation  
November 13, 2012

HMIS Codes  
Health 1  
Flammability 1  
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**

None

**Health Hazards**

Acute Toxicity:

Oral: Not Classified

Dermal: Not Classified

Inhalation: Not Classified

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Eye Irritation: Not Classified

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicology: Not Classified

Target Organ Systemic Toxicity - Single Exposure: Not Classified

Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

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**

Pictogram: None

Signal Word: **None**

Hazard Statements: None

Precautionary Statements:

P102 - Keep out of reach of children.

P264 - Wash hands thoroughly after handling.

**Summary Of Acute Hazards**

Repeated contact may cause skin irritation.

**ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS:**

**INHALATION:**None

**EYE CONTACT:** Irritation, blurred vision.

**SKIN CONTACT:** Irritation, dermatitis, defatting.

**INGESTION:** Gastro-intestinal irritation, nausea, vomiting and diarrhea.

**SUMMARY OF CHRONIC HAZARDS**

Prolonged skin contact may result in irritation and absorption.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

None known.

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT BY WEIGHT	EC#
Petroleum oil	64741-96-4	50-70	265-097-4
Copper Flakes	7440-50-8	15 maximum	231-159-6

## 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

**Flash Point** 466°F (241°C) SETA CC

**LEL** N/D

**UEL** N/D

**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**

None known

## 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. 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 away from heat, sparks and open flames.

**Other Precautions:** Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all product precautions. Do not reuse empty containers.

**KEEP OUT OF REACH OF CHILDREN.**

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Petroleum oil	5 mg/m3	5 mg/m3
CopperFlakes	1 mg /m3	1 mg/m3

**RESPIRATORY PROTECTION:** None required.

**VENTILATION - LOCAL EXHAUST:** Acceptable

**SPECIAL:** N/A

**MECHANICAL (GENERAL):** Preferable

**OTHER:** N/A

**PROTECTIVE GLOVES:** Wear rubber gloves.

**EYE PROTECTION:** Chemical splash 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**

**APPEARANCE:** Copper

**ODOR:** Petroleum Odor

**SOLUBILITY IN WATER:** Insoluble

**BOILING POINT** 624°F (329°C) @ 760 mm Hg

**FLASH POINT:** 466° F (241° C) SETA CC

**MELTING POINT:** N/A

**VAPOR DENSITY (Air = 1):** <1

**EVAPORATION RATE (Ethyl acetate = 1):** >1

**SPECIFIC GRAVITY (H2O=1):** 1.20

**VAPOR PRESSURE (mm Hg):** 0.01 @ 68° F (20° C)

**LOWER EXPLOSION LIMIT:** N/D

**UPPER EXPLOSION LIMIT:** N/D

**VOLATILE ORGANIC COMPOUNDS (VOC) CONTENT** 0% or (0 g/l)  
**(Theoretical Percentage By Weight):**

SECTION 10 - STABILITY AND REACTIVITY

**Stability:** Stable.

**Conditions to avoid:** Heat, sparks, open flames.

**Incompatible materials:** Strong oxidizing agents, acids and bases.

**Hazardous decomposition products:** CO, CO, and fragmented hydrocarbons.

**Hazardous Polymerization:** Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

**Toxicology Data:**

Ingredient name

**Copper Flakes**

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

Oral-Rat LDLo: N/D

**Petroleum Oil**

Oral-Rat LD50: N/D

Inhalation-Rat LC50: N/D

SECTION 12 - ECOLOGICAL INFORMATION

**Ecological Data:**

**Copper Flakes**

Food Chain Concentration Potential: N/D

WATERFOWL TOXICITY: N/D.

BOD: N/D

AQUATIC TOXICITY: N/D

**Petroleum Oil**

Food Chain Concentration Potential: N/D

WATERFOWL TOXICITY: N/D

BOD: N/D

AQUATIC TOXICITY: N/D

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Waste Classification:** Non-regulated waste oil. Dispose of in accordance with all local, state and federal regulation

**Disposal Method:** Used oil recycler.

**SECTION 14 - TRANSPORTATION INFORMATION**

<b>DOT:</b>	Non-regulated
<b>OCEAN (IMDG):</b>	Non-regulated
<b>AIR (IATA):</b>	Non-regulated
<b>WHMIS (Canada)</b>	Non-regulated

**SECTION 15 - REGULATORY INFORMATION**

<b>Ingredient Name</b>	<b>SARA 313</b>	<b>TSCA Inventory</b>	<b>CERCLA RQ</b>	<b>RCRA Code</b>
Petroleum oil	No	Yes	N/A	N/A
Copper Flakes	Yes	Yes	5,000 lb.	N/A

**State Regulations:**

**California Proposition 65:** None.

**International Regulations:** No information available.

**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