A CSW Industrials Company

SAFETY DATA SHEET

BREAK-OUT™

High temperature anit-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, CO2, 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 (H20=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 (Theoretical Percentage By Weight): 0% or (0 g/l)

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

DOT:	Non-regulated
OCEAN (IMDG):	Non-regulated
AIR (IATA):	Non-regulated
WHMIS (Canada)	Non-regulated

Section 15 - Regulatory Information

Ingredient Name	SARA 313	TSCA Inventory	CERCLA RQ	RCRA Code
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