



A CSW Industrials Company

# PRODUCT DATA SHEET

## BREAK-OUT™

High temperature anti-seize & lubricant

### Description

Break-Out is an excellent high temperature anti-seize and lubricant. It is made from an exclusive formulation of pure polished micro-fine copper flakes and graphite particles dispersed uniformly in a highly efficient non-volatile lubricant base. It is the ideal solution for the industry-wide problem of lubrication, corrosion protection and easy breakout in extremes of temperature and pressure.

### Applications

Break-Out is ideal for use as an anti-seize and lubricant for such applications as steam turbines, superheat lines, shackles, hatch covers, pins and dies, sliding bearings, bolts, nuts and screws, bushings, U-bolts, studs, pipe fittings, gaskets, taps, flanges, unions, chains, valve stems, cylinders, heads, boilers, furnaces, engines, autoclaves, reactors and heat exchangers. It may be used at temperatures up to 1800°F (982°C). It should not be used on stainless steel exposed to temperatures above 550°F (288°C) or on oxygen systems. For stainless steel above 550°F, use RectorSeal® Copper-Rich™.

It is for industrial use only by trained professional personnel.



### Characteristics | Features

- Reduced VOC formula
- Easy break-out without galling threads from -65°F (-54°C) to 1800°F (982°C)
- Recommended for stainless steel up to 550°F (288°C)
- Ideal for outdoor use - resists water wash off
- Will not run, drip, or settle out
- Contains no lead
- Meets military specification MIL-PRF-907F
- Contains extreme pressure additives and a high temperature, corrosion resistant grease to resist rust in harsh environments
- Cream consistency for easy application

### Packaging

Code	Size	Qty. per Case	Lbs. per Case	Cubic Feet
73551	8 oz. (227 g)	12 cans	11	0.25
73431	1 lb. (454 g)	12 cans	18	0.43

## Directions for Use:

READ ALL SDS, DIRECTIONS AND WARNINGS ON LABEL BEFORE USE

1. Apply Break-Out™ directly to the area to be protected or joined.
2. Work into the threads or crevices with a flexible-bristled brush.
3. Assemble as usual.

DO NOT USE BREAK-OUT AS A THREAD SEALANT AGAINST INTERNAL PRESSURE.

For additional technical information, call Toll Free 1-800-231-3345.

## Specifications

Wt/Gal @ 77° F	10.1 lbs/gal
Flash Point Cleveland Open Cup	>450° F
Color	Bronze
Shelf Life	2 years
Federal Specification	MIL-PRF-907F

Suggestions and recommendations covering the use of our products are based on our past experience and laboratory findings. However, as we have no control as to the methods and conditions of application, we only assume responsibility for the uniformity of our products within manufacturing tolerances



## WARNING!

Causes serious eye irritation. Causes skin irritation.

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC-DAY OR NIGHT 1-800-424-9300.**

**CONTAINS: Copper, Lubricating greases. Precautionary Statements - PREVENTION:** Wash thoroughly after handling. Wear protective gloves and eye/face protection. **RESPONSE:** For any overexposure, get immediate medical attention after first aid is given. **IF ON SKIN:** Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **IF SWALLOWED:** Call a poison center/doctor/physician if you feel unwell. **STORAGE:** Store in a well-ventilated place. Keep cool. **DISPOSAL:** Dispose of contents/ container to an approved waste disposal plant. **KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Safety Data Sheet, or Call Toll Free 1-800-231-3345.

## Limited Warranty

RectorSeal, LLC makes the Limited Express Warranty that when the instructions for storage and handling of our products are followed we warrant our products to be free from defects. THIS LIMITED EXPRESS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF RectorSeal, LLC. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and RectorSeal, LLC shall not be liable for incidental or consequential damages.

Manufactured by

**RectorSeal, LLC**

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