



A CSW Industrials Company

PRODUCT DATA SHEET

NICKEL-RICH™

Extreme high temperature anti-seize & lubricant

Description

Nickel-Rich™ is a premium quality anti-seize and lubricant for use in extreme temperatures and hostile environments. The carrier of this remarkably effective compound volatilizes at high temperatures and deposits a pure nickel metallic layer on surfaces and prevents metal to metal contact. This allows the solids to serve as lubricant, cushion, and seal. This layering also prevents the welding under compaction that leads to seizure and galling.

Applications

Nickel-Rich is our highest temperature rated anti-seize and lubricant. It can be used safely with ammonia, acetylene and vinyl monomers which are unstable in the presence of copper. It contains no copper or graphite (graphite carbonizes above 550°F and weakens stainless steel.) Therefore, it can be used in applications that prohibit the presence of copper and works equally well on all types of metal to metal surfaces including stainless steel and combinations of dissimilar metals, and on plastics and gasket materials.

Nickel-Rich is used extensively in refineries, chemical plants, petrochemical plants, power generation facilities and other harsh environments on such application as burner tips, furnace hinges, heat exchangers, reactor bolts, manifolds, manhole studs, sliding surfaces, keyways and bushings.

Not for use on oxygen. It is for industrial use only by trained professional personnel.



Characteristics | Features

- Contains no lead, copper, graphite, chlorides or other halogens, phosphorous or silicones
- Chemically inert and resists attack by acidic and caustic chemicals
- Prevents seizure for easy breakout up to 2600°F (1427°C)
- Will not run, drip or settle out even on hot surfaces
- Brushable down to 0°F (-18°C) and will not dry out or harden in storage
- Ideal for outdoor use - strong resistance to water washoff
- Unsurpassed rust and corrosion protection by water penetration or water washoff
- Meets military specification MIL-PRF-907F

Packaging

| Code | Size | Qty. per Case | Lbs. per Case | Cubic Feet |
|-------|---------------|---------------|---------------|------------|
| 73851 | 8 oz. (227 g) | 12 | 9 | .21 |
| 73831 | 1 lb. (454 g) | 12 | 15 | .38 |

Directions for Use:

READ ALL SDS, DIRECTIONS AND WARNINGS ON LABEL BEFORE USE

1. Apply Nickel-Rich directly to surfaces to be protected or joined.
2. Work into the threads or crevices with a flexible-bristled brush.
3. Join parts in normal manner.

DO NOT USE NICKEL-RICH AS A THREAD SEALANT AGAINST INTERNAL PRESSURE.

Specifications

| | |
|------------------------|--------------|
| Wt/Gal @ 77°F | 10.0 lbs/gal |
| Flash Point | >430°F |
| Color | Silver |
| Shelf Life | 2 years |
| Federal Specifications | 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

Precautionary Statements

Refer to Safety Data Sheet (SDS).

KEEP OUT OF REACH OF CHILDREN

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

For additional Technical Information 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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