



NICKEL-RICH™

Regular and Nuclear Grade Extreme High Temperature Anti- Seize and Lubricant

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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 layering on surfaces and prevents metal to metal contact. This allows the solids to serve as a lubricant, cushion, and seal. This layering also prevents the welding under compaction that leads to seizure and galling.

NICKEL-RICH™ Nuclear Grade is used extensively in nuclear power generator facilities on land and sea where only certified products are allowed. It contains no ingredients which may poison reactor catalyst beds. It is for use in Class 1, 2, and 3 non-wetted applications for auxiliary equipment in nuclear power plants.

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CHARACTERISTICS:

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

- Unsurpassed rust and corrosion protection by water penetration or water washoff
- The Nuclear Grade is approved by General Electric for use with their turbine systems in nuclear and fossil fuel applications

- Exceeds military specification MIL-A-907E

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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 degree 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, petro-chemical plants, power generation facilities and other harsh environments on such applications 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.

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PACKAGING:

Qty. Per Case	Lbs. per Case	Cu. Ft Per Case
24 cans	11	0.18
12 cans	11	0.25
12 cans	16	0.43
12 cans	30	0.75

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INSTRUCTIONS:

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.

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

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PRECAUTIONS:

FOR INDUSTRIAL USE ONLY BY TRAINED PROFESSIONAL PERSONNEL

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT,

CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

PRECAUTIONS: May cause skin and eye irritation. May be harmful if swallowed. Avoid prolonged contact with skin, eyes, and clothing. Do not ingest. Wash thoroughly after handling. **FIRST AID:** For any overexposure, get immediate medical attention after first aid is given. **Eyes and Skin** - Flush with large amounts of clean water for at least 15 minutes. **Inhalation** - Remove to fresh air. Give oxygen or artificial respiration if needed. **Ingestion** - DO NOT INDUCE VOMITING. Only if conscious, give large amounts of water, then milk of magnesia. SEEK IMMEDIATE MEDICAL ATTENTION. **STORAGE AND HANDLING:** Store in cool place away from all food. Keep container upright and tightly closed when not in use. Do not reuse or burn empty container - rinse thoroughly and dispose of properly. **KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Material Safety Data Sheet.

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SPECIFICATIONS:

Wt/Gal @ 77 degree F	9.2 +/- 0.5 lbs/gal
Flash Point SETA CC	390 degree F
Color	Silver

Shelf Life	2 years minimum
Federal Specification	Exceeds MIL-A-907E
Nuclear Grade	Conforms to NAVSEA INST 9210.36B

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.

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LIMITED WARRANTY:

RectorSeal® 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®. 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® shall not be liable for incidental or consequential damages.

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MANUFACTURED IN U.S.A. BY

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