



NIKAL™

HIGH TEMPERATURE ANTI-SEIZE AND GASKET COMPOUND

DESCRIPTION

NIKAL is a premium quality anti-seize and gasket compound for use in extreme temperatures and hostile environments. The carrier of this remarkable compound progressively evaporates upon exposure to extremely high temperatures and deposits a Nickel metallic plating on threaded connections, preventing metal-to-metal contact and guarding against seizure and galling.

NIKAL contains pure Nickel flake and a nearly inert dispersing solid in a high quality aluminium complex grease which provides unsurpassed protection from rust by water penetration or wash-off.

NIKAL does not contain Copper, Lead, graphite, halogens, phosphorus or silicones. It may be safely used with ammonia, acetylene and vinyl monomers, which are unstable in the presence of Copper. The absence of graphite is an additional benefit on stainless steel applications when temperatures exceed 290°C, as graphite would carbonise and weaken the steel. The solids package in **NIKAL** produces a matrix of particles which settle in successive layers. This allows the solids to serve as a lubricant, cushion and seal. This layering does not allow the welding under compaction that leads to seizure and galling.

ADVANTAGES

- Contains no lead, copper or graphite
- Prevents seizure up to 1427°C (2600°F)
- Protects against rust and corrosion
- Chemically inert
- Acid resistant
- Strong resistance to water washoff
- Brushable to -18°C (0°F)
- Will not run, drip or settle out

LIMITED WARRANTY

Jet-Lube (UK) Limited makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Limited materials and workmanship.

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 Jet-Lube (UK) Limited.

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 Jet-Lube (UK) Limited shall not be liable for incidental or consequential damages.

APPLICATIONS

Used extensively in refineries, chemical plants, petrochemical plants, power generation facilities and other harsh environments such as:
burner tips, reactor bolts
heat exchangers, manifolds
furnace hinges, manhole studs & pipe fittings

PRODUCT CHARACTERISTICS

Thickener	Aluminium complex
Fluid Type	Petroleum Oil
Colour	Silver
Dropping Point (ASTM D-566)	232°C (450°F)
Specific Gravity	1.1
Oil Separation, Wt % Loss @ 100°C	<5.0
Additive Types	Nickel and others
Flash Point (ASTM D-92)	>221°C (430°F)
Autoignition Point (Calc)	>260°C (500°F)
Coefficient of Friction on Stainless Steel	0.15
K factor High Chrome alloy, 60,000psi	
1" B7 stud	0.15
NLGI Grade	1-1½
Penetration @25°C (IP50/ASTM D217)	285-315
Copper Strip Corrosion (ASTM D-4048)	1A
Shell 4-Ball (ASTM D-2596)	
Weld Point, Kgf	200
Salt Fog resistance	+200
<small>(ASTM B-117) 20% NaCl @ 38°C, Hrs. Free of Corrosion</small>	

PACKAGING

Code No.	Size	Container
JA13602	250g	Brush-top
JA13604	500g	Brush-top
JA13601	1kg	Plug-top
JA13623	5kg	Pail
JA13624	60kg	Drum
JA13629	181kg	Barrel