



Bringing Quality & Excellence

IM Supply BV
 Aquamarijnstraat 100-104
 7554 NT Hengelo
 The Netherlands

T: +31 (0)74 291 9294
 F: +31 (0)74 256 6490
 E: info@im-supply.com
 I: www.im-supply.com

TECHNICAL DATA SHEET

NIKAL®Pure Nickel Extreme-Temp Anti-Seize and Thread Lubricant

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 (554°F), 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.

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

Service range: -54°C (-65°F) to 1427°C (2600°F)
 Thickeners: 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 (212°F):	<5,0
Additive Types:	Nickel and others
Flash Point (ASTM D-92):	>221°C (430°F)
Autoignition Point (CALCULATED):	>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 -1,5
Penetration @25°C (77°F)(IP50/ASTM D-217):	285-315
Copper Strip Corrosion (ASTM D-4048):	1A
Shell 4-Ball (ASTM D-2596)	
Weld Point, Kgf:	200
Salt Fog resistance(ASTM B-117)	
Hrs. Free of Corrosion 20% NaCl @ 38°C (100°F):	+200Hrs.

PACKAGING

Code	Net contents	Container
45918261	250g	Brush Top Can
58113585	500g	Brush Top Can
70615548	1kg	Tub
13835545	5kg	Pail
72186701	60kg	Pail
24548298	181,41kg	Drum

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.



Jet-Lube House

Reform Road • Maidenhead • Berkshire • SL6 8BY

Telephone: +44 (0) 1628 631913 • Fax: +44 (0) 1628 773138 • Internet: www.jetlube.co.uk