

ANTI-SEIZE NICKEL COMPOUND

NICKEL BASED ANTI-SEIZE COMPOUND

Product Description

Anti-Seize Nickel Compound is a superior, extreme pressure lubricant formulated to protect metal parts against rust corrosion and seizure. Fine metallic and graphite particles in special grease protect parts even in high heat, high pressure and corrosive environments. It keeps parts working longer with less wear, hence minimizes parts replacement costs. This anti-seize compound protects against carbon fusion and resists alkaline solutions, most chemical and acid vapors, road salt, steam, salt water, iodized water. Enables faster disassembly when repairs are needed even after exposure to high temperature up to 1400°C.

APPLICATIONS

Anti-seize Compound is free from lead, graphite and aluminum and does not carbonize at high temperature up to 1400°C. It is recommended for stainless steel application above 360°C. It performs well on similar and dissimilar metals. It provides rust, corrosion protection while preventing seizing, galling, pitting, galvanic action and thread distortion. It is impervious to water and offers protection from steam acids, caustic and harsh chemicals. It is supplied ready to use by brush swab, or hand or grease gun.

Features and Benefits

- Keep parts working longer with less wear.
- Minimizes parts replacement costs.
- Enables faster disassembly when repairs are needed—even after exposure to high temperatures.
- Protects against carbon fusion.
- Resists alkaline solutions, most chemical and acid vapors, road salt, steam, salt water, iodized water.
- Excellent heat dispersing qualities.
- Prevents seizure at high temperatures.
- Resists galvanic action between dissimilar metals.
- Prevents galling on steel to stainless steel, titanium, magnesium and other hard metals.

Applications

- Fittings, fasteners exposed to high temperatures in steel mills, power plants, nuclear plants.
- Stainless steel pipe fittings, flanges, pump fittings.
- Fasteners in exhaust manifolds and boilers.
- Assembly of dissimilar metals.

PETRELPLUS INC.

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Typical Properties

ANTI SEEZ NICKEL COMPOUND			
Appearance	Smooth Grease		
Color	Silver		
Thickener type	Lithium Soap		
Specific Gravity	1.2 ± 0.1		
Operating Temperature	Up to 1400°C		
Drop Point	None		
Particle size, mil (microns)	2 max.		
Flash Point , Base oil viscosity D-92	260°C		
NLGI	# 2		
Worked Penetration	265-295		
Water washout , % Loss , D-1264			
@ 100°F	<2		
Nickel Strip Corrosion	ASTM 1a		
4 Ball Weld Load , D-2596	> 800 Kg		
Brush ability	Up to -12°C		
Four ball Wear solids	0.4mm		
Coefficient of Friction @ 75°C, Four ball	0.092		
Torque Coefficient, k factor	0.158		
Friction Factor	1.1 (as per API RP 7A1)		
Oil Separation	< 2.5 %		
Electrical Properties , D-150	Cycles	Dissipation factor	Dielectric constant
	1000	0.0227	10.56
	10,000	0.0347	10.26

Available Packs

- 50, 100 and 200 grams Tubes
- 200 and 500 Grams packs
- 1, 5, 18, 180 Kg



Shelf Life: 36Months from manufacturing month.

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly. The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

* All related specifications are meets or exceeds.

1. PRODUCT AND COMPANY IDENTIFICATION

Product ANTI-SEIZE NICKEL COMPOUND
Supplier PETRELPLUS INC.
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2. COMPOSITION

Base oil, Nickel and performance-based additives.

3. HAZARDS IDENTIFICATION

FIRE -Flammable at high temperature.
HEALTH
Eye contact -May cause mild irritation to the eyes upon direct contact.
Skin contact -Prolonged contact may defat the skin or can cause dermatitis.
Inhalation -hazards.
Ingestion -Harmful if swallowed.

4. FIRST-AID MEASURES

Inhalation -Remove person to fresh air. Seek medical help if discomfort persists.
Ingestion -Do not induce vomiting. Seek medical support.
Skin Contact -Immediately flush skin with plenty of water for at least 15 minutes.
Eye Contact -Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

5. FIRE-FIGHTING METHODS

Extinguishing media -Use dry chemical powder or carbon di – oxide or foam.
Special protective equipment -Positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURE

Personal protection - Adequate ventilation, gloves, goggles, overalls and boots.
Environmental precautions - Avoid entry into water courses.
Clean up method - Absorb on inert material.

7. STORAGE AND HANDLING

Handling - Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.
Storage - Store in a cool & dry place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection - Not required under normal conditions.
Skin/hand protection - Impervious gloves, overalls, and boots.
Eye protection - Use Goggles

9. TYPICAL PROPERTIES

Appearance - Silver
Texture - Smooth
Thickener - Lithium Soap

10. STABILITY AND REACTIVITY

- Stability - Stable
- Conditions to avoid - Excessive temperatures
- Materials to avoid - Strong oxidizers
- Hazardous decomposition products - Oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

- Skin contact - Possible irritation
- Eye contact - Possible irritation
- Inhalation - Not applicable
- Ingestion - Irritation. May cause lung damage.
- Long term effect - Not known

12. ECOLOGICAL INFORMATION

- Mobility - Mobile
- Degradation - Low
- Accumulation - Not expected
- Short- & Long-Term effect - Water pollutant

13. DISPOSAL CONSIDERATIONS

Dispose off according to local and national regulations.

14. TRANSPORT INFORMATION

- CPL - Not applicable
- IMO - Not applicable

15. REGULATORY INFORMATION

- Symbol(s) - Not applicable
- Phrase(s) - Not applicable
- Phrase(s) - Not applicable

16. OTHER INFORMATION: PRODUCT SAFETY

For safety reasons, it is IMPERATIVE that customer: -Ensure that all those within their control who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions or warning.

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