

Moreau Marketing & Sales
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Why to use Anti-Seize Product:

Industrial and automotive communities have always needed a product to solve the many problems associated with metal to metal contact. This contact is during equipment operation, assembly and disassembly procedures. Some of the problems from metal to metal contact that occur are Seizing, Galling, Cold Welding and Heat Freezing.

These problems are related to or accelerated by both chemical and environmental corrosion, friction, high temp, low temp, load and torque. Solving these problems with anti-seize products will extend equipment life and reduce maintenance costs.

What is required:

A lubricant to perform as a barrier or shield preventing deterioration of the metal surfaces. Oils and conventional greases are fine for some applications; however, they do not last beyond temperatures reaching 400° F plus.

Anti-Seize compounds were developed to perform the lubricating jobs at higher temperature limits. They contain oils and greases for protection at the lower temperatures and are the vehicle for the metallic and other solids contained in the anti-seize.

After the oils and greases dissipate at high temperatures, the solid content of the anti-seize plating the metal surfaces to resist friction, rust, corrosion and other detrimental conditions.

Solid contents in anti-seize compounds are important for temperatures from 500 ° F to 2600 ° F, but also enhances the lubricant at lower temperatures. Copper, Graphite, Aluminum and others offer much high load bearing pressures than greases can provide.

Why are Solids Important:

Anti-Seize compounds insure ease of assembly, protection against seizing from extreme heat, pressures, corrosion and disassembly. The degree of protection and temperature limits are generally determined by the percentage and type of Solids present in the formula. For Example, usually the melting point of a metallic ingredient limits the temperature recommendation for a product; i.e. Copper @ 1800 ° F, Nickel @ 2600 ° F and Graphite @ 1100 ° F. Nickel has better chemical resistance than copper and aluminum; therefore, a Nickel based anti-seize is recommended for more corrosive applications.

[Our standard Anti-Seize Compounds:](#)

Cop-Graf™ - Copper and Graphite based Anti-Seize Compound

Anti-Seize Special™- Aluminum, Copper, Graphite based Anti-Seize Compound

Nickel-Graf™- Nickel and Graphite based Anti-Seize Compound.

Moly-Lit™- Moly based Anti-Seize Compound

Metal-Free 2000™- Non-Metallic Lead Free Anti-Seize Compound

Zinc Anti-Seize- Zinc Dust & Petrolatum Compound

[Petrolatum Definition](#)

(n.) A semisolid unctuous substance, neutral, and without taste or odor, derived from petroleum by distilling off the lighter portions and purifying the residue. It is a yellowish, fatlike mass, transparent in thin layers, and somewhat fluorescent. It is used as a bland protective dressing, and as a substitute for fatty materials in ointments.

[“Plate” Anti-Seize Compounds:](#)

Plate anti-seize compounds contain a synthetic, non-melting carrier unlike our standard anti-seize compounds listed earlier. These high quality lubricants depolymerize and dissipate at temperatures above 400 ° F (204 ° C) without leaving a carbon residue, depositing a dry film of their major solid component to plate and protect metal surfaces to their extreme temperature limits.

[Our Plate™ Anti-seize lubricating compounds:](#)

Copper Plate™

Aluminum Plate™

Nickel Plate™

Moly Plate™

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Our Food Grade Anti-Seize Compounds:

Pure White: Anti-Seize Compound with Teflon® USDA H-1, FDA

Hi-Temp Pure White™ Anti-Seize Compound FDA H-1, FDA. 1800 ° F.

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