SELCO ANTI SEIZE COMPOUND -- Copper based

What is SELCO Anti Seize Compound ?

SECLO Anti Seize Compound is a superior, high temperature anti-seize and lubricating compound containing very finely coated metallic particles in a special hydrocarbon carrier which seal and protect metal parts under the most extreme conditions of heat, pressure, and contamination's. The fine, protective film of SELCO ANTI-SEIZE cannot be burned off or completely removed by abrasion. ANTI SEIZE Compound cannot be washed off by fresh or salt water. Application of ANTI –SEIZE insures trouble-free protection against seizure, corrosion, pitting, and galling of metal parts. The costly expense of down-time, maintenance and repair of parts can be greatly reduced by using ANTI SEIZE Compound, and advanced anti-seize and sealing material which also has excellent lubricating qualities. ANTI -SEIZE Compound, as a lubricant with unusual anti-seize qualities, is an excellent extreme pressure and high temperature material for many BEARING APPLICATIONS.

Why use SELCO Anti Seize Compound?

Reduce "Down-Time" Cut Cost of Replacement Parts Speed-Up Repair Easy Maintenance

1. Effective as an anti-seize compound to 980 ºC and in temperatures as low as -180 ºC (Cryogenic Applications). Provides wide range of protection.
2. Resists water washout and salt action will not wash off or dissolve in spray.
3. Contains no silicone, molybdenum disulphide or lead.
4. Non-Corrosive and inert. No reaction with any other metals.
5. Resists galvanic action between dissimilar metals, eliminates metal to metal electrolysis and pitting.
6. Protects against carbon fusion-----reduces Diesel engine down-time
7. Non-Toxic , excellent for use on food processing machinery

8. Unusual spreadability very economical upto 186 sq.ft. It coverage per lb. based on film thickness of 4 mills, will provide a continuous film as thin as 1/2 mill.
9. Inert to most gases, including propane, butane natural gas, helium, freon and nitrogen. DO NOT use ANTI –SEIZE with oxygen systems. ANTI SEIZE "NICKEL SPECIAL" should be used when ammonia and acetylene are present.
10. Excellent for preventing seizure of stainless steel parts.
11. ANTI SEIZE is impervious to strong alkaline solutions.
12. Extreme pressure characteristics over 32,000 psi

ANTI SEIZE 'Industrial Applications Unlimited'

1. **Foundry** : For coating the mold, before pouring in metal to keep the mold from sticking to the metal and causing breakage in removal.
2. **Gas Utility** : The shut-off valves under ground.
3. Steel Plants use on the soot blowers of the open hearth and blast furnaces. The stainless steel fittings are
subject to terrific heat and corrosion. Previously, these **fittings** had to be burned off. Now they are able to unthread and save Rs.100 per fitting in addition to the time saved.
4. To prevent sticking of brushes on **field generators.**
5. **Soldering Irons** : Tips were galling and corroding due to heat and oxidation, making it difficult or impossible to exchange soldering iron tips. SELCO Anti Seize eliminated this and reduced oxidation and scaling. Now there are no problems.
6. To facilitate **assembly and disassembly** of press fits, splines, and keyed assemblies.
7. **Pipe thread compound** for tighter, leakproof, threaded joints in hot or cold lines handling water, steam, oil, chemicals, etc. Fittings will not seize and disassembly is easy, saves time and money.

TECHNICAL SPECIFICATIONS :

Color	Silver
Temperature range	-180 ºC to 980 ºC
Solvent resistance	Excellent in water, salt water, and ionized water
Particle size	1 micron maximum
Viscosity (CP)	450,000
NLGI Grade (ASTM D-217)	1
Specific gravity	1.26
Flash point	260 ºC open cup
Dropping point (ASTM D-556)	180 ºC
Coefficient of friction @ 75 ºC.(ASTM D-2266)	042
Extreme pressure properties (ASTM D-2783)	32.00 psi
Worked penetration (ASTM D-217-A)	300 - 350
Copper corrosion test (100 ºC 24 hours)	No corrosion

ELECTRICAL PROPERTIES :

Cycles	Dissipation Factor	Dielectric Constant	Resistivity OHMS-cm	Conductivity Mhos/cm
1,000	.0255	14.6	4.2×10^{9}	6.76×10^{10}
10,000	.0031	13.4	3.5×10^{9}	3.77×10^{10}