

## Pure Copper

## Technical Data Sheet

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**GENERAL INFORMATION:** *SAF-T-EZE Pure Copper* provides ultimate protection as a high temperature anti-seize and extreme pressure lubricant. *SAF-T-EZE* stops corrosion, galling and seizure between metal parts. *Pure Copper* performs to 2000°F.

**PRODUCT DESCRIPTION:** *SAF-T-EZE Pure Copper Anti-Seize* is a smooth, non-separating formula composed of lithium soap thickened grease into which is compounded very fine metallic particles of flaked copper and solid graphite lubricants and corrosion fighting inhibitors. This high performance grease and solid additives provide extreme pressure lubricating properties that prevent galling and cold welding and at the same time prevents water wash out and galvanic pitting from electrolysis of road salt, acid rain or salt water. It is non-hardening and has excellent oxidation and thermal stability. The particles present are inert and will not evaporate at extreme temperatures and their heat resistant qualities will prevent carbon fusion and seizure at temperatures up to 2000°F. This anti-seize compound does not contain lead, molybdenum disulfate or halogen compounds. *Pure Copper Anti-Seize* exceeds the requirements of **MIL-A-907E**.

### PHYSICAL PROPERTIES:

<b>Color</b>	<b>Metallic Copper</b>
<b>Temperature Range</b>	<b>-65 - 2000°F</b>
<b>Specific Gravity</b>	<b>1.4</b>
<b>Weight per gallon</b>	<b>10.8 lbs.</b>
<b>Penetration</b>	<b>270 ± 20</b>
<b>Drop Point</b>	<b>380°</b>
<b>Flash Point: C.O.C.</b>	<b>500°F</b>
<b>Particle Size</b>	<b>1 Mil Maximum (25µ)</b>
<b>Coefficient of Friction</b>	<b>0.07 (Shell 4 Ball Method)</b>

NOTE: This product is not recommended for pure oxygen systems.

**APPLICATION:** *SAF-T-EZE Pure Copper Anti-Seize* can be used as a lubricant, a sealer, a break in lubricant, a tapping compound on plastics as well as metals. Surfaces need not be cleaned before application unless grit or low quality oil/grease is present and ultimate performance is required. The reduction in assembly friction increases torque tension by approximately 20 percent. Use on threaded parts, bushings, gears, valve stems, chains, sprockets, levers, hinges, pivots, rollers, heat exchanger or manifold bolts, or as a gasket release agent, etc.

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**IMPORTANT NOTICE:** All statements and technical data contained herein are based on tests we believe to be reliable, but the accuracy of completeness thereof is not guaranteed. It is recommended that the buyer test this product to determine its suitability for his application before use. **SAF-T-EZE Div., STL Compound Corporation** is not responsible for loss, claim or damages resulting from use of its products.