



## **U.5002. COPPER ANTI-SEIZE COMPOUND.**

High and low temperature anti-seize assembly compound  
Range – any sub-zero temperature to 1093°C. Solidifies at -18°C.

Specially formulated for protection against seizure even in extreme service conditions. Ease and economy of labour when assembling and dismantling equipment. Improved protection against rust, oxidation, and other corrosion.

U.5002 Copper Anti-Seize Compound consists of micro-size particles of Copper together with a synthetic lubricant in a non-melt Bentone grease base. These are the basic ingredients, to which are added highly effective oxidation and corrosion inhibitors.

The particles in U.5002 Copper Anti-Seize Compound form a matrix, which fills irregularities in the surface to which it is applied. This matrix never sets, hardens or melts and so it is not disturbed by vibration, contraction or expansion. In use e.g. while tightening a thread, the Copper in the compound hones the surfaces, while the synthetic lubricant fills the metal pores to form tough “plating”. This means that there is no galling under extreme surface pressures.

U.5002 Copper Anti-Seize Compound by its unique combination of properties, ensure rapid and easy assembly of threaded parts, reduces torque, prevents seizing and galling; gives quick and easy breakout of threads, gaskets and packings even after long exposure to high temperature or corrosive conditions, or extreme surface pressures; reduces wear in areas of high friction.

Use in high temperature plant up to 1093°C to ensure easy dismantling for routing maintenance even after long periods at high temperatures.

Use in corrosive conditions such as mining or marine environments, preventing metal to metal contact so there is no danger of galling or metal pickup even under extreme pressure.

The compounds honing and plating action protects metal in conditions where conventional lubricants break down as in drawing and forming metals; lathe centres and slides, wire ropes and chains (especially in very arduous conditions),

Where it saves valuable man hours is in the routine dismantling of retorts, boiler manlid covers, valves and furnace parts. It is invaluable for clean and rapid breakout of gaskets and packings.

In the petroleum industry in drilling, production and refining processes it will save hours of downtime. It is extensively used in tool joints, drill collars, precision threads, large and small diameter pipelines and valves. It permits easy makeup and breakout of threaded connections without tearing or seizing even after prolonged exposure to corrosive conditions and high temperatures.

Copper Anti-Seize speeds assembly by reducing the nut driving torque requirements compared to using oil or grease. This is in addition to the anti-seize properties and the greatly increased ease of dismantling should this be necessary.

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