

# TALON COPPER ANTI-SEIZE COMPOUND

## ANTI-SEIZE LUBRICANT AND THREAD SEALANT

### CU-SPEC

#### PRODUCT DESCRIPTION

##### PRODUCT

**Talon Copper Anti-Seize** Lubricant and Thread Sealant

##### DESCRIPTION

**Talon Copper Anti-Seize** is a specially formulated copper based thread sealant for high temperature [up to 1800°F (982°C)] and high pressure environments. **Talon Copper Anti-Seize** contains special ingredients that produce a permanent leak-proof metallic seal under pressure, yet prevents seizing, galling, freezing, or tearing, even under extreme conditions.

##### RECOMMENDED USES

**Talon Copper Anti-Seize** can be used as a sealant and anti-seize lubricant for all metal pipe threads, bearings, drill collars, gear reducers, tool joints, rotary shoulder connections, screws, flange connections, couplings, manhole studs, seals, studs, bolts, splines, drill collars, drive chains, gas burners, plugs, pins, pivots, bushings, valve seats, valve stems, valve packing assemblies, valve gate assemblies, slides and key ways. Excellent for use on high pressure corrosive systems.

**Talon Copper Anti-Seize** will not bleed, separate, or settle. Prevents pressure leakage and seizing resulting from high temperature, freezing, heavy loads, corrosion, and vibration. Contains no grit. Prevents rust and corrosion. Specially formulated for summer or winter use. Provides easy assembly and disassembly of bolts, plugs, studs, flanges, and fittings.

Suitable for use on systems carrying:

Air	Inert Gases
Alkalis, Dilute	Natural Gas
Anhydrous Sodium Hydroxide (50%)	Nitrogen Gas
Brine	Refrigeration Gases
Carbon Dioxide	Soap, Liquid
Chlorinated Water	Steam Lines
Freons (All)	Sugar, Liquid
	Water

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This product is manufactured in the U.S.A.

#### COLOR/CONSISTENCY

Copper color brushable paste of smooth, grit free consistency.

**Talon Copper Anti-Seize** has an indefinite shelf life.

**NLGI Consistency:** 2

**Sulphur Typical:** 0.5%

**Worked Penetration:** 290-310

**Coefficient of Friction (K value\*):** 0.1

#### TEMPERATURE RANGE USE

##### Gases:

-0°F (-17°C) to 1800°F (982°C)

##### Liquids:

-0°F (-17°C) to 1800°F (982°C)

**Brushable to:** 10°F (-12°C)

**Pour Point:** 32°F (0°C)

#### PRESSURE RANGE USE

##### Gases:

up to 3,000 PSI (211 kg/cm<sup>2</sup>)

##### Liquids:

up to 10,000 PSI (703 kg/cm<sup>2</sup>)

#### FOR USE ON THREADED

All types of metal including stainless steel, nickel, copper, cast iron, brass and titanium.

#### CORROSIVENESS

**Talon Copper Anti-Seize** is non-corrosive, and prevents the corrosion and seizing of threads.

#### U.S. MILITARY SPECIFICATIONS

**Talon Copper Anti-Seize** meets and exceeds MIL-A-907E.

#### ENVIRONMENTAL STATEMENT

**Talon Copper Anti-Seize** is formulated with inorganic grease and is free from any lead containing ingredients.

#### WEIGHT PER U.S. GALLON

10.1 lbs. (4.6 kg) ± 0.2

#### DRYING TIME\*

The system may be pressurized immediately after assembly. Non hardening.

#### PACKAGING

##### U.S. Measure:

<u>Stock Code</u>	<u>Size</u>
<b>Brush Top Can</b>	
CU8	10 oz. (.284 kg)
CU8A (Display Box)	10 oz. (.284 kg)
CU16	1 lb. (.454 kg)
CU32	2 ½ lb. (1.13 kg)
<b>5 Gallon Plastic Pail w/ Handle</b>	
CU5	50 lb. (22.68 kg)
<b>55 Gallon Open Head Steel Drum</b>	
CU55	500 lb. (226.8 kg)

#### SHIPPING WEIGHT PER CASE

<u>Stock Code</u>	<u>Case Weight</u>	<u>#/Case</u>
CU8	20 lbs. (9.1 kg)	24
CU8A	10 lbs. (4.5 kg)	12
CU16	19 lbs. (8.6 kg)	12
CU32	36 lbs. (16.3 kg)	12
CU5	54 lbs. (24.5 kg)	1
CU55	540 lbs. (244.9 kg)	1

#### DIRECTIONS FOR USE

1. Remove all dust, grease, oil and any foreign material from mating surfaces.
2. Apply **Talon Copper Anti-Seize** to mating surfaces and assemble.

Keep container closed at all times when not in use to avoid contamination. Requires no thinners.

#### TYPICAL PERFORMANCE

The relationship between torque and clamp load is expressed in the following equation:

$$T = K \times F \times D$$

T = Torque (in-lbs., ft-lb, N-m)

K = Torque coefficient or nut factor

F = Clamp Load (lbs., N)

D = Nominal diameter of bolt (in, ft, m)

\*In critical applications, it is necessary to determine K values independently.

#### DO NOT USE ON OXYGEN SYSTEMS.



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