

## TECHNICAL DATA SHEET

### CAS ANTI-SEIZE

#### PRODUCT DESCRIPTION

**Cas Anti-Seize** is a unique multi- purpose anti-seize compound designed to provide protection against corrosion and metal contact in a wide range of automotive, marine, industrial, workshop and domestic applications, particularly where very high temperatures are encountered. It is effective up to 800C due to the high Copper content.

**Cas Anti-Seize** formulation consists of a high temperature clay thickener together with Copper and Graphite anti-seize powders which impart exceptional high temperature anti-seize properties. It also contains performance enhancing additives to protect against water washout, oxidation and corrosion.

The state-of-the-art equipment and procedures employed to manufacture **Cas Anti-Seize** impart to this compound a high degree of mechanical and storage stability. It will not breakdown under high mechanical stress. In storage it will not alter consistency or release oil.

#### APPLICATION

**Cas Anti-Seize** is recommended as an anti-seize compound or lubricant in various applications where such a product is beneficial for example, very high temperatures, high pressures or where corrosion or sealing present problems. Due to the inertness of the clay thickener it can often be employed in harsh acid and alkaline environments.

Some specific applications for **Cas Anti-Seize** include

- Thread coating/lubrication for industrial ovens, furnaces and boilers.
- Gasket coating for automotive, marine and industrial cylinders, manifolds and exhaust systems. Anti-seize grease for tool and drilling operations.
- Lubricant and corrosion preventative for acidic, alkaline or saline operating conditions.
- Anti-seize compound for feed and adjusting screws, linkages and drive chains on earth moving and agricultural equipment
- Domestic/handyman uses such as screws, nuts &, hinges plus car & motorcycle parts

## **CAS ANTI-SEIZE (Cont)**

### **BENEFITS**

- Protection against seizure due to temperature and corrosion.
- Excellent resistance to water washout
- Variety of anti-seize applications
- Effective in harsh acid, alkaline and salt conditions
- Excellent mechanical stability
- Outstanding storage stability

### **TYPICAL CHARACTERISTICS**

<b>TEST</b>	<b>VALUE</b>
NLGI GRADE	2
COLOUR	Copper
SOAP THICKENER TYPE	Clay
COPPER POWDER	10%
VISCOSITY @ 40°C, cSt	220
WORKED PENETRATION	280
DROP POINT	>288°C
4-BALL WEAR WELD LOAD, KG	620

## CAS ANTI-SEIZE (Cont)

### TYPICAL INSPECTIONS

NLGI Grade		2
Thickener		Clay
Base Oil Viscosity cSt at 40°C	ASTM D445	220
Solid Lubricant - Copper Powder		10%
Colour		
Dropping Point°C	ASTM D2265	>315
Oil Separation 24hr @ 25°C	ASTM D1742	Nil
Rust Test	ASTM D1743	“No Rust” Rating
Penetration mm/10 Worked 60 strokes	ASTM D217	285
Timken OK Load, kg	ASTM D2509	20
Four Ball EP Test Weld Load kg	ASTM D2596	620
Operating Temperature °C		0 to 800
FourBall Weld Load kg	ASTM D2266	0.40
Water Washout % @ 80°C	ASTM D1264	4
Fretting Wear mg	ATSM D4170	5
Rust Prevention, ASTM rating	ASTM D1743	1
Rubber swell, 70hr @ 100°C Vol. Change	GM method	+12
Roll Stability % penetration change	ASTM D1831	+10