

Data Sheet

**ANTI-SEIZE COMPOUNDS -
CHROME, NICKEL & COPPER**

With the introduction of the new Chrome Compound we have decided to put all 3 of these high temperature anti-seize, anti-corrosion assembly compounds on one data sheet.

The main application for all 3 compounds is for the assembly of all threaded connections subject to high temperatures such as, for example, spark plug threads, cylinder head and exhaust manifold studs, high temperature and/or corrosive environments. It is also suitable for application to gaskets

and packings. For all these applications, the products make dis-assembly possible without welding or seizure.

The Chrome compound is the most superior product for seizure prevention of threaded components under even the most unfriendly corrosive/high temperature conditions.

The different properties of the three compounds are highlighted in the table below.

| | CHROME COMPOUND | NICKEL COMPOUND | COPPER COMPOUND |
|--|--------------------|--------------------|--------------------|
| Max operating temperature as thread/anti-seize lubricant | 1 500°C | 1 400°C | 1 100°C |
| Key metallic Component | Chrome | Nickel | Copper |
| Colour | Silver | Silver | Golden |
| Exceeds requirements of MIL-A-907E (US Military Spec) | Yes | Yes | Yes |
| Average torque to loosen threaded connection after being subject to: | | | |
| 565°C | 55Nm | 62Nm | 70Nm |
| 1,100 °C | 175Nm | 190Nm | 200Nm |
| Co-efficient of friction at 200N | 0,130 | 0,136 | 0,140 |
| Compliance with latest First World Environmental Legislation | Yes | No | No |
| Resistance to contact with Ammonia | Good | Fair | None |
| Resistance to Electrolytic Galvanic Corrosion | Good | Fair | None |
| Suitable for use on Austenitic/Stainless Steels | Yes | Fair | No |
| High load, slow-moving lubricating properties | No | OK | Excellent |
| Protection against corrosion of battery terminals | OK | OK | Excellent |
| Apply to back of disc pads to eliminate squeal | No | No | Yes |
| Contents of aerosol packs | 350 ml | 350 ml | 400 ml |
| Packing in tubes | No | No | 100g |
| Other packs (500g, 5kg, 15kg, 50kg & 180kg) | Yes | Yes | Yes |

APPLICATION INSTRUCTIONS

The aerosol should be sprayed onto the surfaces from approximately 10cm distance. The bulk versions should be applied by brush or finger.

TYPICAL PROPERTIES OF ALL THREE COMPOUNDS

| | |
|-----------------------------------|-----------|
| Consistency | NLGI No.2 |
| Penetration (1/10mm at 25°C, 60x) | 275 |
| Penetration change (10 000 x) | 35 |
| Dropping point | None |
| Timken OK load, kg | >25 |
| Rust test | Pass |
| Base oil viscosity at 40°C, cSt | 100 |