

## Kopal

### Copper Based High Performance Antiseize Compound

#### Benefits :

- Reduces friction and thereby reduces wear in high pressure sliding surfaces.
- Prevents seizures at high temperatures.
- Eases dismantling and assembling during installation and maintenance.
- Prevents scuffing, pick up and seizures during wearing in.
- Saves threaded parts from galling, distortion and breaking.
- Guards against rust and corrosion.
- Resists fresh and salt water corrosion.
- Low co-efficient of friction.
- Meets 'break away' torque requirements of MIL-A-907E.
- Good brushability.

#### Applications :

- For slow moving and high load applications.
- For high temperature and corrosive atmospheres.
- For gears, racks, pinions, spline shafts, plain bearings, pivot joints, studs, bolts, nuts & other threaded parts.
- As a Live-Ring lubricant in cement plants.
- Industries include engineering, refinery, cement, steel, sugar, chemicals, petrochemicals, textiles, windmills, mining, offshore drilling and many others.

Characteristics	Test Method	Unit	Specifications
Appearance	Visual	–	Smooth Paste
Colour	Visual	–	Copper
NLGI Grade	–	–	# 2/1
Worked Penetration	ASTM D-217	0.1 mm	290 – 310
Four Ball Weld Load	ASTM D-2596	N	3800
Copper Strip Corrosion Test	ASTM D-4048	rating	1a
Surface Area Coverage [approx.]	*CTM	m <sup>2</sup> /kg.	45
Solid Lubricant	–	–	Copper
Operating Temperature Range			
Base Oil	–	°C	-30/+150
Solid Lubricants	–	°C	-30/+1100

\*CTM=Corporate Test Method

**Note** : For continuous temp. above 650°C, users are advised to carry out pretests before use.

**Caution** : Do not use as a bearing grease

MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice  
This supersedes our previously issued data sheets.

[REV.8 / 01.01.14]

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