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E Oil Supplement

Automatic Transmission Supplement

Manual Transmission Supplement

Copaslip Anti-Seize Compound

Multi-Purpose Grease

Liquid Grease

Combat Penetrating Oil

Tuneslip

Chain Lube

HTBG High Temperature Bearing Grease

Open Gear Spray

Open Gear Lube

Air Drying Film (ADF)

Metal Working Spray

AS/40 Assembly Compound

AS/65 Assembly Compound

Break-In

Moly Powder



## Product Data Sheet

### Copaslip

Copper Anti-Seize Assembly Compound

Effective to 1100°C (2000°F)

#### Performance

Mollyslip Copaslip is an anti-seize pre-assembly compound for use in any temperature from sub-zero to 1100°C (2000°F). It has extremely high film strength and has been formulated and produced to provide:

- Protection against seizure — even in extreme service conditions
- Ease and economy of labour when assembling and dismantling equipment
- Protection against rust, oxidation and other corrosion, especially with dissimilar metals

#### What Copaslip is:

Mollyslip Copaslip is an anti-seize compound consisting of micro-sized particles of copper in a semi-synthetic base with highly effective oxidation and corrosion inhibitors.

#### How Copaslip works:

The copper particles form a matrix that fills irregularities in the surface. This matrix never hardens, sets or melts and so is not disturbed by vibration, contraction or expansion. As a result, Copaslip ensures 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, corrosive conditions or extreme surface pressures), and reduces wear in areas of high friction.

#### Where Copaslip can be used:

In high temperature areas up to 1100°C (2000°F). Using Copaslip ensures easy dismantling for routine maintenance even after long periods at high temperatures.

In corrosive conditions such as coal mining or marine environments — Copaslip's unique combination of anti-seize properties with corrosion inhibitors gives quick and trouble-free dismantling.

In areas of extreme surface pressure the copper in Copaslip helps prevent metal-to-metal contact so there is no danger of galling or metal pickup even under extreme pressures.

In any assembly process, Copaslip 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.

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

In the automotive industry Copaslip is recommended by major automotive manufacturers for use as a lubricant behind disc brake pads to prevent brake squeal and for application to pivot points and adjusters on drum brakes to facilitate adjustments. For exhaust systems use Copaslip between manifold, pipes and mufflers for removal without distortion or damage. Copaslip is also excellent for spark plug threads cylinder head bolts and gasket surfaces.

## Specifications

Pure metallic copper dispersion in a semi-synthetic base.

Operating Temperature Range .....	- 40°C to + 1100°C (-40°F to 2000°F)
Solidifying Temperature .....	- 18°C (0°F)
Unworked Penetration at 25°C (ASTM D217) .....	310-340
Contained fluid .....	vaccum distilled mineral oil
Drop Point .....	non-melt
Closed cup flashpoint (ASTM D93) .....	243°C (470°F)
Neutralisation Value (ASTM D974) .....	< 0.05mg KOH3/G
Four-ball weld test (ASTM D2596) .....	passes at 400 kg (881 lbs)
K factor .....	0.16
Solubility in water .....	insoluable
Covering Power .....	≈ 8m <sup>2</sup> per kg
Corrosion Resistant .....	complete in 10% hydrochloric acid and saturated salt solutions
Specific Gravity .....	1.13
Shelf life .....	24 months under original seal

## Packaging

Molyslip Copaslip is available in:

Product No.	Packaging	Case Size
4470	400mL (13.5 fl. oz.) aerosol spray can .....	Case of 12
4471	100g (3.5 oz.) tube .....	Case of 12
3470	454g (1 lb.) grease cartridge .....	Case of 10
3471	57g (2 oz) tube .....	Case of 24
3472	250g (8.8 oz.) brush-top bottle .....	Case of 12
3473	454 g (1 lb.) wide-mouth plastic jar .....	Case of 12
3474	2 kg (4.4 lb.) tin .....	Case of 6
3475	4.5 kg (10 lb.) plastic pail	
3476	11.3 kg (25 lb.) plastic pail	
3477	23 kg (50 lb.) plastic pail	
3478	55 kg (120 lb.) metal keg	
3479	180 kg (400 lb.) drum	

## Precautions

Avoid contact with skin or eyes. In case of eye contact, flush with water. For skin contact, wash thoroughly with soap and water. If swallowed do NOT induce vomiting. Get immediate medical attention.

KEEP OUT OF REACH OF CHILDREN.

(See Material Safety Data Sheet for proper first aid instructions.)