



# MOLUB-ALLOY<sup>®</sup> 2115 HIGH TEMPERATURE GREASE

## Product Data Sheet

Molub-Alloy 2115 Grease is a premium, high temperature, synthetic bearing lubricant. Formulated from an advanced synthetic fluid and thickened with a non-soap base that is also temperature stable, 2115 includes a blend of additives and Molub-Alloy lubricating solids for exceptional wear protection. Greatly extended service life and relubrication intervals are possible.

Primarily developed for extended service in oven conveyor bearings, Molub-Alloy 2115 is recommended for applications in paint drying ovens, textile tentering frames, and similar service where minimum applications and drip-free performance are needed to promote good housekeeping and to minimize maintenance and relubrication requirements.

In selecting the blending components of Molub-Alloy 2115, it was intended to optimize these favorable characteristics:

- Resistance to oxidation at high temperatures
- Thermal and chemical stability
- Resistance to organic solvents and most chemicals - including strong acids, alkalis, and oxidizing agents, even at high temperatures.
- Excellent lubricating capabilities - as measured by standard laboratory tests and extensive field evaluations.
- Low volatility at high temperatures and/or high vacuum.

Molub-Alloy 2115 is part of Castrol Performance Lubricants' Eco-Solutions™ product offering. Formulated to address environmental concerns, it is free of lead, chlorinated solvents, and barium.

### APPLICATION

Molub-Alloy 2115 Synthetic Grease is especially well suited for service in textile tentering ovens and paint drying lines.

An NLGI No. 2 grease, Molub-Alloy 2115 is also recommended for other antifriction bearings in prolonged high temperature service.

Molub-Alloy 2115 can be applied manually or with automatic dispensing equipment.

Molub-Alloy 2115 may be used in continuous service at 250°C/482°F and be exposed intermittently to temperatures up to 280°C/536°F. When using above 200°C, forced draft ventilation should be used - see TOXICITY on reverse side.

### ADVANTAGES

The primary advantage of Molub-Alloy 2115 is extending relubrication intervals without undue risk of underlubrication, lube starvation, or an increase in power draw. Virtually inert below 300°C/575°F, 2115 resists the thickening and hardening that is typical of petroleum greases in high temperature service.

Minimum applications promote economical use and good housekeeping.

Distinctive pale blue color complements need for cleanliness in textiles and similar industries. Distinct color also discourages misapplication.

Compatible with all types of materials used in conventional seals.

### TOXICITY

Molub-Alloy 2115 has a very low order of toxicity at room temperatures with no significant irritation to skin or eyes.

At 200°C/400°F, small quantities of toxic fumes are generated. The use of 2115 above 200°C is not recommended without the use of forced draft ventilation.

At 300°C/575°F, 2115 decomposition begins to accelerate, and small amounts of highly toxic, potentially acidic vapors are formed. Positive draft ventilation to the atmosphere is essential.

Wash hands before smoking because inhaling the smoke from contaminated tobacco can cause the symptoms of influenza.

Please See Reverse Side for Notes and Typical Properties.

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**MOLUB-ALLOY 2115 08-95 -R03**  
Formerly PDS 3040-3 8/95

*Molub-Alloy*<sup>®</sup> *Optimol*<sup>®</sup> *Tribo*<sup>®</sup>

## NOTES

Clean-up may be difficult because of the excellent resistance to ordinary cleaners and solvents. However, there are some industrial cleaners which can be used effectively.

Where lubricant may come in contact with products such as fabric, and removal may be more difficult due to color, good seals and good handling procedures should be maintained.

For specific terms, conditions, warranty,\* and availability, refer to Castrol Performance Lubricants' Price List in effect at time of purchase.

## TYPICAL PROPERTIES

### Molub-Alloy 2115 High Temperature Grease

NLGI Grade	2
Worked Penetration, ASTM D 217, mm/10	265/295
Specific Gravity @ 15.6°C/60°F	1.93
Thickener Type	Non-Soap
Base Fluid Properties	
Viscosity, ASTM D 445, D 2161:	
@ 40°C, cSt	500
@ 100°C, cSt	42
@ 100°F, SUS	2310
@ 210°F, SUS	195
Flash Point, ASTM D 92, °C/°F	None
Evaporation @ 232°C/450°F: After 24 hours, wt %	4.0
Color	Light Blue
Molub-Alloy Lubrication Solids	Present

Subject to Usual Manufacturing Tolerances

\* FOR DETAILS OF OUR LIMITED WARRANTY, PLEASE REFER TO THE INSIDE OF OUR CURRENT PRICE LIST, OR TO THE REVERSE SIDE OF OUR INVOICE.