



## Molub-Alloy™OG 968 SF Heavy

Multiservice Lubricant

### Description

Castrol Molub-Alloy™OG 968 SF Heavy (previously called Castrol Molub-Alloy™ 968 SF Heavy ) is a heavy duty, non solvent containing multiservice lubricant designed for use an heavy duty applications. It is formulated to withstand the most severe environments, which may include extreme heat and dust in the summer, as well as in inclement weather, in rain, snow, sleet in winter. Molub-Alloy OG 968 SF Heavy performs also extremely wellin underwater applications, with condensation, as well as seawater. Formulated to address environmental concerns, Molub-Alloy OG 968 SF Heavy is free of lead, antimony, zinc, barium and chlorinated solvents. No solvents of any kind are used in Molub-Alloy OG 968 SF Heavy Multiservice Lubricants.

A highly refined, viscous, paraffinic petroleum derivative is the foundation of a blended base fluid with excellent natural chemical and thermal stability. Molub-Alloy OG 968 SF Heavy is compounded to flow readily in the filmforming process; yet it resists "squeeze-out" and clings tenaciously even to gear teeth in vertical orientation.

A proprietary blend of Molub-Alloy™ lubricating solids is included to promote antiwear and load carrying properties beyond those of conventional lubricants. The select lubricating solids work synergistically with chemical antiwear and extreme pressure (EP) additives, to reduce contact temperatures, while providing excellent antiweld protection under extreme pressure and shock loading.

Rust and oxidation inhibitors are included in the formulation to protect the equipment and lubricating film against the elements in severe climates. The select grade and size distribution of the lubricating solids are intended to provide Molub-Alloy OG 968 SF Heavy with multiservice characteristics for applications ranging from heavy duty open gears, to antifriction and Journal bearings.

## **Application**

Molub-Alloy OG 968 SF Heavy is designed to perform as a multiservice lubricant in applications such as: - Open Gearing - Racks and Pinions - Rails and Rollers - Sluice door hinges - Seawater gate spindles - Screw conveyor bearings - Salt dredging applications - Shipyard applications - Large Journal and Antifriction Bearings - Low Velocity Semi-Enclosed Gears - Offshore applications (e.g. christmas trees, drill heads) - Jacks (Drills).

Molub-Alloy OG 968 SF Heavy may be applied manually or more precisely and economically through automatic dispensing equipment.

## **Advantages**

- Compounded for the protection of the ecology the elimination of hazardous materials.
- Tough Durable Film - resists erosion from rain and sleet, resists peeling in dusty environments.
- Resists Packing from Dust - even in dusty environments Castrol Molub-Alloy OG 968 SF Heavy resists packing at the gear roots and remains mobile. The spent lubricant stays pliable to facilitate removal from gear guards and semi- enclosed gear cases.
- Multiservice - used in a variety of outdoor applications. Reduces product inventory and minimizes risk of product contamination or misapplication

## Typical Characteristics

Name	Method	Units	Molub-Alloy OG 968 SF Heavy
Penetration grease @ 25C, 60cycles	DIN-ISO 2137 12.81	1/10 mm	-
Water Resistance (Greases) 3h 90°C	DIN 51807	Assessment Stage	-
Flow Pressure	CIP 1	hPa	@-10 °C

Subject to usual manufacturing tolerances.

## Additional Information

Castrol Molub-Alloy OG 968 SF Heavy is not intended for use in the following

- Applications:"U"-Joints of off-highway vehicles.
- As a general industrial bearing grease operating continuously at elevated speeds i.e., motor bearings.

## Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing condition

**This product was previously called Molub-Alloy 968 SF Heavy. The name was changed in 2015.**

Molub-Alloy™OG 968 SF Heavy

03 Feb 2015

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

10 Junction Avenue , Parktown , Johannesburg , 2193 , South Africa  
+27 11 488 5111, 0860 222 166 (SA), 0800 111 551 (SA)  
[www.castrol.co.za](http://www.castrol.co.za)