



PRODUCT DATA SHEET

CALCIUM SULPHONATE CS2 GREASE

PRODUCT DESCRIPTION

Calcium Sulphonate CS2 Grease is a heavy duty multipurpose industrial bearing grease. It is specifically designed to perform well under the harshest conditions found in marine environments, steel mills, pulp and paper mills and other similar industries. It is ideally suited to applications where heat, water and extreme loads are encountered.

Calcium Sulphonate CS2 Grease is a technologically advanced grease that has been developed using modified over based calcium sulphonates and mineral oil. It is characterized by exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear, and excellent resistance to water and corrosion. This grease will equal and in many ways outperform other premium, high temperature greases based on lithium complex, aluminium complex and polyurea thickeners. As well as being ideal for high temperature work, it exhibits excellent low temperature performance to temperatures of -20°C.

BENEFITS

Thermal and Mechanical Stability

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water.
- High dropping point, typically in excess of 280°C.

Load Carrying & Wear Protection

- Excellent EP and AW properties inherent in the thickener.
- Does not require the use of additional additives.
- Extreme load carrying capacity.

Resistance to Water

- Excellent resistance to water washout and spray-off.

Corrosion Resistance

- Sulphonates are known and used for their excellent rust prevention properties.
- Will easily outperform all other technologies.

Resistance to Oxidation

- The use of a premium antioxidant and a high quality oil ensures excellent thermal and oxidation stability.

APPLICATIONS

- Mining, steel mills, pulp and paper mills and other similar industries.
- Marine environment.
- Highly loaded conditions in off-road and construction.

Hi-Tec suggests that the equipment manufacturers' recommendations for grade, performance requirements and general operating conditions should be checked prior to use.



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TYPICAL CHARACTERISTICS

Property	Method	Results
Appearance		Brown
Texture		Smooth
Thickener		Calcium Sulphonate Complex
NLGI	ASTM D-217 mod	2
Mineral Oil, Viscosity (cSt) @ 40°C	ASTM D-7152	460
Penetration 60 strokes	ISO 2137	265 – 295
Dropping Point (min °C)	IP 396	>280
4-Ball Weld (kg)	ASTM D-2596	800
Water Resistance @ 90°C	DIN 51807:1	1
Water Wash Out @ 38°C	ASTM D1264	<1%
Flow Pressure @ -20°C	DIN 51805 mod	<1400 mBar
Density	IP 530	1000 kg/m ³
Temperature range		-20°C to +140°C (max. +180°C)

Available in: Bulk, 180 kg, 20 kg and 450g

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

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