

# CERAN MS



Grease



**Extreme-pressure water resistant high temperature calcium sulfonate complex grease with molybdenum disulfide.**

## APPLICATIONS

**Multi purpose heavy duty water resistant grease. Shock loaded applications in industry.**

**Recommendation**

- **CERAN MS** is suitable for the lubrication of all kinds of components subject to high loads, shocks, working in conditions where the grease is in frequent contact with water, e.g. traveling cranes, crown wheels, press joints, conveyors, gear couplings etc. in a multitude of industrial applications.
- **CERAN MS** is suitable for boundary lubrication at high pressures and high temperatures. In case of accidental overheating, the presence of molybdenum disulfide will guarantee good lubrication, and avoid any jamming or sticking.
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system.

## SPECIFICATIONS

- ISO 6743-9: L-XBFHB 1/2
- DIN 51 502: KPF1/2R -20

## ADVANTAGES

**True multi purpose Shock loads Water resistant**

**Anti corrosion No harmful substances**

- Extraordinary water resistance, no significant loss of consistency is observed even with high amounts of water entering the grease.
- Excellent anti-oxidation and anti-corrosion properties thanks to the very nature of the calcium sulfonates, also in the presence of sea water.
- **CERAN MS** does not contain lead, or other heavy metals considered harmful to human health and the environment.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CERAN MS
Soap/thickener		-	Calcium sulfonate
NLGI grade	ASTM D 217/DIN 51 818	-	1-2
Color	Visual	-	Anthracite
Appearance	Visual	-	Smooth/tacky
Operating temperature range		°C	- 20 to 180
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	280-310
Four ball weld load	ASTM D 2596	kgf	500
Anti-rust performance SKF- EMCOR	DIN 51 802/IP220/NFT 60-135/ISO 11007	rating	0-0
Dropping point	IP 396/NFT 60 102 C	°C	> 300
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/ IP71	mm <sup>2</sup> /s (cSt)	650

Above characteristics are mean values given as an information.

**TOTAL LUBRIFIANTS**  
**Industrie & Spécialités**  
 05-09-2008 (supersedes 07-07-2008)  
 CERAN MS  
 1/1



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser [www.quick-fds.com](http://www.quick-fds.com).