

# TECHNICAL DATA SHEET

## QUAKERTEK™ CS 4615-EP3M

### HIGH PERFORMANCE CALCIUM SULFONATE COMPLEX GREASE

QUAKERTEK™ CS 4615-EP3M is a high performance calcium sulfonate complex grease based on mineral oil with molybdenum fortification for heavy loading applications.

#### Properties

PROPERTY (TEST METHOD)	TYPICAL VALUE	UNIT
Appearance	Grey	
Thickener Type	Calcium sulfonate	
Base Oil Type	Mineral oil	
Worked Penetration, 60 strokes D217	290 - 320	
Dropping Point D2265	>308	°C
Water Washout at 175°F (79°C) D1264	2.0	% loss
Base Fluid Viscosity at 40°C at 100°C D445	460 32	cSt
Base Fluid Viscosity Index D2270	97	
Copper Corrosion D4048	1A	
Rust Protection D1743	Pass	
Timken OK Valuse D2509	25	kg
4-Ball Weld D2596	620	kg
4-Ball Wear Scar Diameter D2266	0.51	mm
Water Spray-off D4049	38	% loss
Oxidation Stability D942	9	psi drop
Oil Separation D1742	0.2	% loss

#### Benefits

- High Base Oil Viscosity
- High oxidation resistance
- Very high water resistance
- Excellent load carrying capacity
- Protection against shock loading
- Very good corrosion protection

#### Applications

QUAKERTEK™ CS 4615-EP3M is used in applications operating under severe conditions with regard to medium to low speeds, high loads and corrosion problems, e.g. roller and plain bearings in all kind of industries.

Operating Temperature Range: -25°C/+150 °C.

#### Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

QUAKERTEK™ CS 4615-EP3M is available in totes, 400 lbs/180 kg drums, 120 lbs/55 kg kegs, 35 lbs/16 kg pails, and 14 ounce/400 g tubes.

If the following criteria are adhered to, the product can be stored for at least 24 months. Recommended long-term storage temperature range: 0-40°C/32-104°F. Keep containers/drums tightly closed when not in use and store in a dry and well-ventilated area.

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 301029

