

TECHNICAL DATA SHEET

QUAKERTEK™ CS 4615-EP

HIGH PERFORMANCE CALCIUM SULFONATE COMPLEX GREASE

QUAKERTEK™ CS 4615-EP is a high performance Calcium Sulfonate complex grease based on mineral oil.

Applications

QUAKERTEK™ CS 4615-EP 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-EP 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.

Benefits

- High oxidation resistance and lubricating film strength
- Excellent resistance to water washout and corrosion protection
- Excellent load carrying capacity
- High temperature stability and very good shear stability

Properties

PROPERTY (TEST METHOD)	TYPICAL VALUE	UNIT
Appearance	Smooth, Tan	
NLGI Grade	1.5	
Worked Penetration, 60 Strokes (D217)	290-320	
Oil Separation (D1742)	0.1%	
Water Washout at 175°F/ 79.4°C (D1264)	≤ 1% loss	
Dropping Point (ASTM D 2265)	>304	°C
Water Spray-Off (D4049)	≤ 43% loss	
Base Fluid Viscosity (D445) at 40°C	485	mm ² /s
Base Oil Type	Mineral oil	
Designation (DIN 51502)	KP 1-2 N-20	
Designation (ISO 6743-9)	L-X-BDHB 1-2	
Temperature Range Short Term	-25 ± 150	°C
Copper Corrosion, 3h/100°C	1b	
Water Resistance, static	1 - 90	
Timken OK Value (D2509)	55	kg
4-Ball Weld (D2596)	500	kg
4-Ball Wear Scar. Dia (D2266)	0.44	mm

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. 015104

