

TECHNICAL DATA SHEET

QUAKER QUAKEROL® HB-20

HOT MILL LUBRICANT

QUAKER QUAKEROL® HB-20 is a blend of sulfurized esters and petroleum oils in a combination that provides high temperature and extreme pressure lubrication, and anti-wear properties for load reductions and improved roll life in the hot rolling of steel strip, stainless, rail and structural shapes.

Applications

This product was specifically designed for very high temperature processes where surface roughness and roll life are extremely critical factors.

The product exhibits excellent dispersion characteristics in a wide range of water chemistries. Product is typically dispersed in water in a separate header nominally between 12 to 20 GPM of water.

Fluid Maintenance

QUAKER QUAKEROL® HB-20 is designed for once-through, direct application to back-up or work rolls. It is best applied in a dilution in a separate header through a static mixer using positive displacement pump technology. Modular Industrial Dispersion Application (MIDAS) units have been specifically designed for use with this product and are available upon request.

Please consult your Quaker Houghton representative for information on proper fluid maintenance and application methods.

Benefits

- Greater force, torque and energy reductions
- Extended roll life
- Improved strip quality – eliminate rolled in scale defects
- Significantly lower use volumes

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. This product has a shelf life of 6 months, and it should be stored out of direct sunlight in temperatures between 90° - 110°F.

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Dark Brown Fluid	
Pounds per gallon at 60°F	7.72	lbs/gal
Flash Point (COC)	425	°F
Viscosity at 40°C	85	cSt
at 100°C	11.5	
Pour Point	< 0	°F
Sulfur	1.75	%

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. 300000-01.

