

# TECHNICAL DATA SHEET

## QUAKEROL® 20-LVB

### HIGH PERFORMANCE NEAT OIL CUPPING LUBRICANT

QUAKEROL® 20-LVB is a high performance semi-synthetic neat oil. It consists of controlled activity difunctional polar additives in combination with a high lubricity ester.

#### Applications

QUAKEROL® 20-LVB is designed to provide excellent lubrication for cupper systems in two-piece aluminium can production.

For normal can forming operations it is designed to be used neat and is approved for use with UNIST neat oil applicator systems.

#### Operational Parameters

QUAKEROL® 20-LVB is applied neat to the can sheet and is compatible with Unist neat oil applicator systems. Cup film weights range from 15-30 mg/cup depending on can/cup size, contact Quaker Houghton for recommended cup film rates.

#### 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 should be stored out of direct sunlight in temperatures between 4°C - 35°C.

#### Benefits

- Designed to provide maximum lubrication and bleedthrough protection. Also designed to provide maximum residual lubrication in the bodymaker redraw process
- Excellent degreasing properties keeps tooling clean and free from excessive sludge build up
- Reduces tear off rates whilst maintaining can quality
- Fully compatible with Quaker Houghton's bodymaking lubricants and with either Nalco, Quaker Houghton or DTI coil postlubes
- Contains metal deactivators to minimise attack on both carbide tooling and ferrous substrates
- Easily cleaned

#### Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Clear light amber liquid	
Viscosity at 40°C	22.8	mm <sup>2</sup> /s
Flash Point (FOC)	>150	°C
Specific Gravity at 15°C	0.866	g/cm <sup>3</sup>

\*These characteristics are typical of current production and can't be used as a specification.

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. 064606-01.

