

TECHNICAL DATA SHEET

QUAKEROL® CLA 410 BIO

ALUMINIUM CAN MAKING LUBRICANT

QUAKEROL® CLA-410-BIO is a high performance solution synthetic lubricant designed to run in D&I bodymaker coolant systems. It is a 100% synthetic product that provides excellent lubrication, detergency and wetting characteristics.

QUAKEROL® CLA-410-BIO represents a new generation of biostable bodymaker coolants.

Applications

QUAKEROL® CLA-410-BIO is completely water soluble and is recommended to run initially in soft water at 2.5 - 4.5% concentrations, keeping in mind severity of operation will indicate final lubricant content.

Fluid Maintenance

Poor or incorrect emulsion preparation may lead to instability and could considerably shorten the life of the emulsion. Prior to making any fresh fill, we highly recommend full cleaning including the use of a compatible systems cleaner of all system components which will be in contact with the emulsion. A wide range of system cleaners* and disinfecting additives* are available from Quaker Houghton.

*Please consult a Quaker Houghton representative for any additional information.

Benefits

- Produces quality cans with excellent tool life
- Provides excellent compatibility with high speed equipment and carbide tooling
- Keeps equipment and tooling clean and enhances can rinsibility at the prewash stage of the washer
- All surfactants used in QUAKEROL® CLA-410-BIO were biodegradable according to EU 684-2004

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 18 months, and it should be stored out of direct sunlight in temperatures between 40°F (4°C) and 100°F (38°C).

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Clear yellow liquid	
Acidity	36.4	mg KOH/g
Neat pH	10.0	
Alkalinity	6.0	% NaOH
Odor	Characteristic (Amine)	
pH (3% in Demin water)	9.6	
Appearance at 4.0%	Clear light yellow	

*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. 064576

