

TECHNICAL DATA SHEET

QUAKERCOOL™ 2710 COB

WATER SOLUBLE COOLANT SYNTHETIC TYPE

QUAKERCOOL™ 2710 COB is high performance product for grinding operations where lubrication is not required. It is recommended for carbide tool grinding operations. It has an excellent performance on those operations after which heat treatment is undertaken because there is no residue build up.

Applications

QUAKERCOOL™ 2710 COB has carefully selected lubricant and detergent surfactants, this product is both a highly effective lubricant as well as detergent. 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.

QUAKERCOOL™ 2710 COB is recommended for Carbide Grinding and some Drilling, Milling and Turning on materials like Carbide Tools, Steel and High alloy steel. It can also be used for some copper alloy machining.

Recommendation For Use

QUAKERCOOL™ 2710 COB is to be used diluted into water. Always add product to water to avoid creating an invert emulsion. For machining and grinding operations, the typical dilution range is 3 to 10% by volume. Water hardness range of 20–300 ppm is typically suitable.

Benefits

- Extremely low absorption of Cobalt
- Boron free
- Provides good cleanliness on tools/machines and detergency characteristics
- Improve surface finish of grinded surfaces
- Good fines handling during grinding operations
- Good tramp oil rejection

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.

Typical Physical Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance (neat)	Clear yellow fluid	Visual
Specific Gravity	1.04	[ASTM D4052]
Appearance (diluted)	Transparent	Visual
pH @5%	9	[ASTM E 70]
Brix factor	3.1	
Viscosity, Kinematic @40°C	3	cSt [ASTM D 445]

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.

