

# TECHNICAL DATA SHEET

## QUAKERCUT® 005 ECS HONING FLUID

QUAKERCUT® 005 ECS is designed for honing and lapping operations on alloy and carbon steel.

### Applications

This product is a complex formulation of controlled release extreme-pressure lubricants, boundary lubricants and high-quality virgin mineral oils. This light colored, mild odor fluid delivers excellent honing and grinding performance without sulfurized fats or chlorinated additives.

- Honing
- Light Duty Grinding

### Customers

- Timken
- Caterpillar

### Fluid Maintenance

QUAKERCUT® 005 ECS is to be used as received. It should not be diluted with any oils and/or solvents. The use of these types of diluents will greatly decrease the products performance characteristics.

### 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 12 months, and it should be stored out of direct sunlight in temperatures between 40°F (4°C) and 110°F (43°C).

### Benefits

- The unique combination of film strength, friction reduction and extreme-pressure lubricants assures optimum stone life, surface finish, and prevents metallurgical burns
- No objectionable odors and the product does not encourage dermatitis. Both properties contribute to the worker friendly attributes of this product
- Low viscosity improves cooling and minimizes consumption. Metal can be removed faster and less fluid is lost due to drag out
- Does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or OSHA

### Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Clear Amber	
Pounds per gallon at 60°F	7.41	lbs/gal
Odor	Bland	
Flash Point via COC	115   239	°C   °F
Neat pH	N/A, Not water soluble	
Viscosity at 100°F (38°C)	6.5   47	cSt   SUS

### Cleaning and Protecting

To clean and protect after the metal removal operation, use QUAKERCLEAN® (cleaners) and FERROCOTE® (corrosion preventives) to enhance process compatibility. Consult your Quaker Houghton representative.

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. 014418

