

ECOCOOL MB

Water-soluble, oil based cutting fluid

Description

ECOCOOL MB is a superior water-soluble, oil based cutting fluid designed for general purpose machining on ferrous and non-ferrous metals. It provides a high degree of machine tool lubrication and is suitable for a wide range of machining applications. ECOCOOL MB has a low unit cost and is easily disposed of using conventional techniques.

ECOCOOL MB is specially designed for use at higher temperatures and is particularly suitable for heavier general purpose machining operations such as surface and cylindrical grinding, rolling and general heavy machining.

ECOCOOL MB has been specially formulated for use in both hard and soft water areas.

Application

For general milling, drilling, turning, sawing, machining, rolling and grinding of ferrous and non-ferrous materials.

ECOCOOL MB is not recommended for more arduous operations on stainless steel.

Advantages/Benefits

- Environmentally improved - does NOT contain phenols, boron, triazene, PTBBA or chlorinated additives
- Based on highly refined mineral oils
- High degree of machine tool lubrication
- Ideal for a wide range of machining operations
- Low odour
- Low unit cost

Component Protection

Following manufacturing operations Fuchs recommends the use of our fully compatible RENOCLEAN cleaners and ANTICORIT corrosion preventives to clean and protect your components. Please refer to data sheets, or contact your local Fuchs Area Manager to discuss your requirements.

Machine Cleaning

To optimise service life, the machine should be flushed thoroughly using RENOCLEAN SMC (see separate data sheet) prior to recharging with fresh fluid.

Coolant Monitoring

As with all modern cutting fluids, concentration control is of paramount importance, therefore regular check by use of a refractometer is recommended for this product. It should be noted that the individual product refractometer correction factor should always be used to ensure accuracy.

Other Services

A comprehensive range of coolant monitoring and maintenance systems are available from FUCHS Lubricants UK, incorporating coolant dispensing, recycling and disposal equipment.

Storage

Minimum Storage Life: 6 months if stored indoors in unopened, original containers at a storage temperature between +5 and up to 40°C.

No guarantee of compliance with the technical data and characteristics specified can be given after the containers have been opened. The indication of a minimum period of storage does not include any guarantee of durability.

CHARACTERISTICS (Concentrate): ECOCOOL MB

Characteristics	Unit	Test Method
Appearance		Clear brown fluid
Specific gravity at 15.6°C		0.917 IP160
Low temperature stability test at -2°C		Stable

CHARACTERISTICS (Emulsion): ECOCOOL MB

Appearance		Opaque white fluid
pH value at 5%		9.6
Corrosion filterchip	%	3.0 break point IP287
Recommended concentrations:		
General machining, sawing etc	%	5 - 7
Grinding (surface, cylindrical, centreless)	%	2 - 3
Refractometer correction factor		0.8

Note: Refractometer Reading x Correction Factor = Actual Concentration



November 2017 (a) GDUK Page 2 of 2