

ECOCOOL S 761 B

Heavy-duty water miscible metalworking fluid

Description

ECOCOOL S 761 B is a high performance soluble oil coolant with outstanding sump life for use in both ferrous & non-ferrous metalworking applications. It is formulated to form a stable emulsion in both soft and hard waters whilst also maintaining excellent foam control.

Application

A sophisticated lubricity package provides excellent lubrication for cutting, drilling, tapping, broaching, milling, reaming, honing and sawing operations to give excellent surface finishes and extended tool life. As an extremely low foaming fluid, ECOCOOL S 761 B is ideal for high pressure (>1000 psi) fluid delivery applications including gun-drilling & honing operations. A heavy-duty lubricant package protects tools in roll-form tapping and reaming on various grades of wrought aluminium, cast aluminium, steel, stainless steel, titanium, and inconel.

ECOCOOL S 761 B affords excellent rust protection for ferrous metals and outstanding staining control for non-ferrous metals

How to Use

ECOCOOL S 761 B is diluted with water for use at a concentration range from 5% to 10%.

How to Clean

ECOCOOL S 761 B low residues are readily cleaned from processed parts using mild alkaline cleaner solutions.

Advantages/Benefits

- Sophisticated lubricant chemistry
- Excellent rust/staining protection
- Low residue
- Excellent foam control
- Good mix stability
- Outstanding sump life
- Excellent surface finishes and extended tool life
- Preserves parts and equipment
- Clean running operation
- No foam in high pressure fluid delivery applications
- Stable emulsions in very soft and very hard water
- Extended service life/lower treatment costs

Approvals

- Airbus ABR 9-0204 Issue 2
- PAG: RFA according to AIRBUS - AIMS 12-10-001
- Boeing BAC 5008
- Bombardier BAMS 569-001
- Bell Helicopter
- Rolls Royce CSS 129
CSS 131
- Pratt & Whitney PMC 9364-1
- SAFRAN / MBD PCS 4001
- SAFRAN / MBD (LANDING GEAR) PCS 4002
Approved for machining and grinding for use on steels, stainless steel, nickel based alloys, cobalt based alloys, aluminium, magnesium, titanium, and titanium alloys
- Lockheed Martin EMAP G34.62

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.

Storage

Soluble oil concentrates may be damaged by frost. Store indoors at ambient temperatures.

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.

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.

Other Services

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

CHARACTERISTICS: ECOCOOL S 761 B

Characteristics	Unit		Test Method
Appearance			FUCHS 9.005
Concentrate:		Clear amber liquid	
Water mix:		Milky white emulsion	
Odour		Mild	
Weight	lbs/gal	8.0	ASTM D287
pH @ 5% in water		9.2	FUCHS 6.013
Chlorine (as EP)		none	
Refractometer correction factor		1.0	

Note: Refractometer Reading x Correction Factor = Actual Concentration



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