

Product Performance Features

MOVING YOUR WORLD

LUBRICANTS.
TECHNOLOGY.
PEOPLE.



ECOCOOL® GLOBAL 1500

Premium Aerospace / Automotive Industry water-miscible, mineral oil free, multi-metal cutting and grinding fluid.

ECOCOOL® GLOBAL 1500 is an ester based water-miscible machining product unlike any metalworking fluid in the market today.

Based on FUCHS' latest advanced chemistry, and includes a novel lubricity package for increased metal removal rates and reduced tooling costs.

Increases Productivity

- **LONG sump life**
Stable pH
Low odour
Better operator acceptance
- **REDUCED maintenance**
Low foam
Rejects tramp oil
Less tank-side additions
- **REDUCED tooling costs**
High lubricity for arduous tasks
Reduces rework costs

Increases Efficiency

- **IMPROVED tool life**
Highest lubricity in it's class
Reduces tool costs
- **LOW foaming**
Robust problem solver
- **MULTI-MACHINE use**
Machining and grinding
- **CLEANER machines**
Excellent washing properties
Good filterability



**EXTENDED
SUMP LIFE**



**MINERAL OIL
FREE**



**ZERO
STAINING ON
ALUMINIUM**



**RESISTS
MICROBIAL
ATTACK**

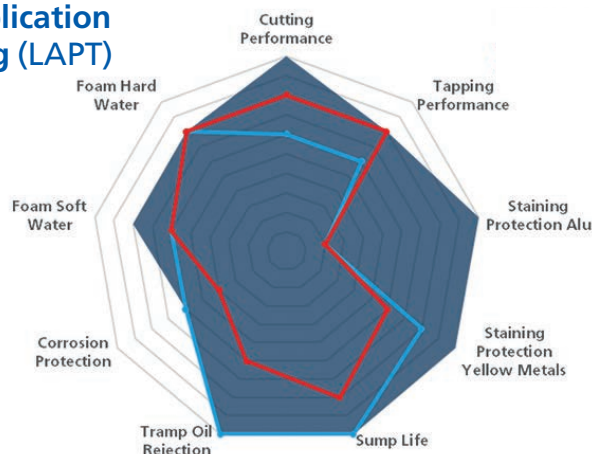


**NON
IRRITATING
TO SKIN**

Laboratory and Application Performance Testing (LAPT)

Tested against leading competitor product's to measure the key attributes required for a high performance metalworking fluid*

■ ECOCOOL GLOBAL 1500
— COMPETITOR A
— COMPETITOR B



PLEASE NOTE

This document is to be read in conjunction with the current PI sheet for the ECOCOOL® GLOBAL range of lubricants. All figures quoted are correct at the time of publication.

*Results from in-house laboratory testing.

FAQs

Q Does it contain boron, formaldehyde and MEA (monoethanolamine)

No It is the latest generation of metalworking fluids formulated with a unique chemistry which provides long sump life without the use of mineral oil, boron, chlorine, FAD biocides, bactericides or fungicides, secondary amines, MEA and TEA.

Q Can it be used with hard or soft water?

Yes The product works well with hard or soft water. Our unique formulation allows compatibility with all water hardness levels.

Q Can it only be used for Aerospace alloys?

No The unique formula allows for use with materials such as brass, aluminium, cast iron, copper, SG iron, mild steel, HT steels, stainless steel, titanium and inconel. Our products will also protect machine tool internals.

Q Will it stain aluminium?

No It will not stain aluminium and also has good ferrous corrosion protection.



Q How can I clean my parts after machining?

Residual films are readily cleaned from parts with **RENOCLEAN** alkaline cleaners. Your local FUCHS representative can provide you with specific recommendations for your operation.

ECOCOOL® GLOBAL Series

- **GLOBAL 1000**
Heavy duty aero / medical / semicon
- **GLOBAL 1500**
Aluminium aero / auto
- **GLOBAL 2000**
General purpose aluminium
- **GLOBAL 2500**
Heavy duty aluminium
- **GLOBAL 3500**
Cast iron cutting and grinding



FUCHS Smart Services

- Metalworking Fluid Analysis
- Oil Analysis
- Reliability Services
- Lubrication Management
- Technical Support



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