

Technical Data

ULTRACUT® 370 EP

Extreme pressure, long-life, high dilution, semi-synthetic fluid

Description

ULTRACUT 370 EP is a high performing semi-synthetic fluid formulated for use on a wide range of ferrous and non-ferrous metals, including aluminium.

The extreme pressure additives provide medium to heavy duty machining capabilities providing excellent surface finish and promoting excellent tool life.

The versatility of ULTRACUT 370 EP enables the user to rationalise one fluid for both cutting and grinding operations. When mixed with water, it forms a translucent blue micro-emulsion providing a clear view of the workpiece.

Typical Values

Concentrate Appearance..... Clear blue liquid
 Emulsion Appearance..... Translucent blue liquid
 Odour..... Mild
 pH (15:1 dilution)..... 9.5
 Density at 20°C (g/cm³).....1.00

Refractometer Calibration	
Dilution Ratio	Refractometer Value
30:1	2.4
40:1	1.7
50:1	1.4
60:1	1.1
70:1	1.0
80:1	0.9

Features & Benefits

- EP additive package providing medium to heavy duty machining performance
- Free from bactericide, silicone, chlorine, formaldehyde, nitrites and any animal derived materials
- Formulated for use on ferrous and non-ferrous materials, including aluminium
- High dilutions (up to 75:1) provides low in-sump costs
- Tolerant to tramp oil and low foaming
- Compatible with hard and soft water
- Excellent residual corrosion protection
- Inherently resistant to degradation

Recommended Use Concentrations

ULTRACUT 370 EP can be used as a cutting and grinding fluid. Recommended ratios are up to 60:1 for cutting and 75:1 for grinding. The refractometer calibration table shows the appropriate value for dilution ratios.

Dilution ratios should be adjusted depending on the severity of the operation, workpiece material and water hardness.

To ensure dilution accuracy, it is preferable to use a Rocol Automatic Fluid Mixer. For manual mixing, always add the concentrate to water at the recommended dilution ratio, stirring continuously.

Storage

ULTRACUT 370 EP should be stored in a cool, well ventilated area, between 5°C and 30°C in the original container. If stored in accordance with these guidelines, the shelf life is 1 year from date of manufacture.

Further Information

For pack sizes, part codes and safety data sheets please visit www.rocol.com or get in touch with our customer service team who will be happy to help: customer.service@rocol.com

Issue 0 Date: 04/20