

ULTRACUT® 370 EP

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

Applications

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.

Features and 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 60:1) 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

Storage Guidance

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.

Usage Guidance

Ultracut 370 EP can be used up to a 30:1 dilution ratio. 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.

Approvals and Certifications

Rolls Royce Non-Metallic Database - Class B

Pack Sizes

Part Code	Pack Size
51380	200 L
51381	1000 L

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Parameter	Test Method	Value
Appearance	N/A	Clear blue liquid forming a translucent blue emulsion
Odour	N/A	Mild
pH @ 20:1	N/A	9.5
Density at 20°C	ASTM D4052	1.00 gcm ⁻³

Dilution Ratio	30:1	40:1	50:1	60:1	70:1
Refractometer Reading	2.4	1.7	1.4	1.1	1.0

Safety Datasheets

These are available at <https://www.rocol.com/datasheets>. For further assistance, please contact us via the ROCOL website or using the details below.

Note

The information in this Technical Datasheet is informed by our experience and feedback from industry. There are many variables outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility. Values quoted are typical and do not constitute a specification.

If you'd like to discuss the suitability of any ROCOL solution for your system, please get in touch.

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