

# Technical Data



Performance you can trust

## ULTRACUT® EVO 280

### High Performance Long Life Cutting Fluid for Aluminium

**ULTRACUT EVO 280** is a high performance water mix, aluminium cutting fluid uniquely formulated to give a long predictable sump life. It provides extra performance in medium and severe cutting operations when machining aluminium and its alloys whilst promoting optimum surface finish. **ULTRACUT EVO 280** can also be used to machine other non ferrous metals, for example, copper and its alloys and all but the most difficult to machine ferrous metals.

#### Features

- Gives optimum cutting performance on aluminium and its alloys.
- Prevents built-up edge.
- Extends tool life.
- Promotes excellent surface finish.
- Non-staining with most aerospace and industrial alloys.
- Excellent residual corrosion protection.
- Inherently resistant to degradation.
- Long and predictable sump life.
- Low foaming.
- Rejects tramp oil.
- Ideal for individual and central cutting fluid systems.
- Contains no biocides or skin sensitisers.
- Pleasant and safe to use.

#### Directions for Use

**Recommended dilution:** **ULTRACUT EVO 280** should be used between 15:1 and 25:1 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, add the concentrate to water at the recommended dilution ratio, stirring continuously.

It is advisable to use the appropriate **ROCOL ULTRAGUARD® Machine Tool Care** product at fluid changeovers. Optimum fluid life is obtained by adequate initial machine cleaning, correct dilution control and regular maintenance of fluid, particularly prior to weekends and shutdown periods.

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FM 12448



EMS 67596



OHS 78173



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## ULTRACUT EVO 280

<b>Appearance</b>	Clear amber liquid forming a white emulsion when mixed with water
<b>Odour</b>	Mild
<b>pH</b>	9.0 at 20:1
<b>Density @ 20°C</b>	0.95 g/cm <sup>3</sup>
<b>Storage</b>	Store at normal ambient temperature (5 to 30°C)
<b>Pack Sizes – Part Codes</b>	20 ltr - 51682 200 ltr - 51689

### Refractometer Calibration:

<b>Dilution ratio</b>	10:1	15:1	20:1	25:1	30:1
<b>Refractometer reading</b>	9.1	6.2	4.8	3.8	3.2

Values quoted above are typical and do not constitute a specification.

### Safety Data Sheets

Safety data sheets are available for download from our website [www.rocol.com](http://www.rocol.com) or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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