

Technical Data



Performance you can trust

ULTRACUT PREMIUM

High Performance Metal Cutting Mineral Soluble Oil

Description

Ultracut Premium is a high quality, water dilutable mineral soluble oil formulated to provide premium cutting performance and excellent corrosion resistance.

Ultracut Premium is suitable for severe duty machining over a wide range of ferrous and non-ferrous metals including copper alloys.

Areas of application

Flood applied to:-

- Manual lathes and other machine tools
- CNC controlled machine tools

Features

- Premium cutting performance
- Suitable for severe cutting applications
- Excellent tool life
- Long sump life
- Excellent residual corrosion protection
- Suitable for use with most metals
- Low foaming characteristics

Technical data

Appearance	Clear amber concentrate forming a milky white emulsion
Odour	Mild
Specific Gravity	0.95
pH	9.7 at 15:1
Nitrites	Contains no nitrites
Flammability	Non-flammable, combustible flash point >150°C

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

Directions for use

Recommended dilution: **Ultracut Premium** should be used at dilution in the range of 20:1 and 40:1 depending on severity of the operation, workpiece material and water hardness. To ensure dilution accuracy, it is preferable to use a Venturi Fluid Mixer. For manual mixing, add the concentrate to water at the recommended dilution ratio, stirring continuously.

It is advisable to use **Rocol® Ultraguard SC** at fluid changeovers. Optimum fluid life is obtained by adequate initial machine cleaning, correct dilution control and regular maintenance of the fluid.

Refractometer calibration:

Dilution ratio	20:1	30:1	40:1
Refractometer reading	5.8	3.8	2.8

Storage and Shelf Life

Store in indoor dry conditions between 5°C and 50°C, keep away from sources of heat and naked flames. When stored in original sealed containers, the minimum shelf life is two (2) years.

Packaging

Ultracut Premium is available in 5 Litre and 20 Litre containers.

Ordering Information:

5 Lt Jerry Cube	#RY562611
20 Lt Cube	#RY562621

Health & Safety Information

The product is non-hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website www.rocol.com.au.

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