

Technical Data

ROCOL®

Performance you can trust

ULTRACUT LONG LIFE

Heavy Duty Long Life Metal Cutting Fluid

Description

Ultracut Long Life is an extreme pressure soluble oil water-mix cutting fluid formulated to give a long predictable sump life. It provides exceptional performance in medium/severe cutting operations on a wide range of ferrous and non-ferrous metals.

Ultracut Long Life provides a combination of extreme pressure performance and long sump life that permits increased machining rates and true cost efficiency.

Areas of application

Flood applied to:-

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

Features

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

Technical data

Appearance	Clean brown concentrate forming a milky white emulsion
Odour	Mild
Specific Gravity	0.95
pH	9.7 at 15:1
Viscosity at 21°C (cst)	350
Nitrites	Contains no nitrites
Flammability	Non-flammable

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 Long Life should be used between 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 Long Life is available in 20 Litre and 205 Litre containers.

Ordering Information:

20Lt Cube	#RY563011
205Lt Drum	#RY563015

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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