

TRI-Logic® EP

Maximum life, extreme pressure, heavy duty cutting fluid

Applications

TRI-Logic EP is a water-miscible cutting fluid formulated to provide excellent machining capabilities in heavy duty operations on a wide range of difficult to machine materials such as stainless steels, nimonic alloys and titanium. The combination of selected additives provides extended tool life, excellent corrosion resistance, improved surface finish and outstanding cutting performance.

Features and Benefits

- Developed for heavy duty machining whilst providing a long sump life
- Free from silicone, sulphur, formaldehyde, nitrites and any animal derived materials
- Outstanding cutting performance on difficult materials
- Improves surface finish, extends tool life and provides excellent corrosion protection
- Pleasant to use, low odours and low foaming properties
- Suitable for use in hard and soft water systems
- Optimised for use in the TRI-Logic system

Usage Guidance

TRI-Logic 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 -
≥ 10% dilution: Class C
≥ 3% dilution: Class B

Pack Sizes

Part Code	Pack Size
51899	200 L

Storage Guidance

TRI-Logic 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.

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Parameter	Test Method	Value
Appearance	N/A	Clear amber liquid forming a white milky emulsion
Odour	N/A	Mild
pH @ 20:1	N/A	9.4
Density at 20°C	ASTM D4052	1.01 gcm ⁻³

Dilution Ratio	15:1	20:1	25:1	30:1	35:1
Refractometer Reading	7.4	5.4	4.3	3.8	3.0

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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