

KUTROL 3130 Mineral Soluble Oil.

WATER SOLUBLE METALWORKING FLUID

Features

KUTROL 3130 is an innovative technology with high lubrication capacity, free of formaldehyde and boron, which ensures extend service life of the tank, Cutting Tools, improved machining performance compared to old products.

APPLICATIONS

KUTROL 3130 is advised for medium machining of a wide range of materials, steel, aluminum alloys for the automotive field, alloy steels.

Product specifically designed for extremes pressure systems without foaming.

Thanks to its long service life, the product is suitable for both centralized systems and individual machines without the need for regular biocide treatments.

The product is used with regular water.

RECOMMENDATIONS FOR USE

General Machining	4 - 6%
Medium-severe machining	5 - 10%
Rectified	5 - 10%

TYPICAL PHYSICAL PROPERTIES

Appearance of the concentrate	Amber
Density @ 20 °C	0.820
Refract Meter Factor	1
Appearance of the Emulsion	Milky White
PH @ 5%	8 to 9

These characteristics are typical of current production. Whilst future production will confirm to **KEMA-STARK** specification, variations in these characteristics may occur

KUTROL 3130 in common with other cutting fluids should be stored under cover avoiding extremes of temperature. Packages should be kept sealed when not in use. Where storage of packages in open cannot be avoided, they should be kept on their side. If possible, they should be stored on frame or other support to keep them off the ground so avoiding the collection of rain around the outlet holes which might subsequently contaminate the contents when package is opened

Service & Life

KUTROL 3130 includes additives which are designed to ensure a long product life. When the solution strength and bacteria populations are checked regularly during service, it is possible to extend the life of the fluid so it can be more economical to use than emulsion type fluids and, in some cases, neat oils. Long product life also helps to alleviate disposability by reducing the frequency of disposal.

Rust Prevention

The anti-corrosion performance of **KUTROL 3130** is good with all metals. In the case of ferrous metal, the fluid has not only been successfully tested against the IP 125 (Herbert Corrosion) test at high dilution, but has also been subjected to the fiat specification test, which is a particularly stringent anti-corrosion test for water-based fluids

Discharge:

Methods of disposal of used emulsions and solutions vary widely. They depend on regulations laid down by the authorities, and also on the facilities available. It is therefore, preferable that a recommendation is made which takes into account both existing disposal practices and the local requirements

Health and Safety

KUTROL 3130 is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

Technical

Advice on applications not covered in these papers may be obtained from your **KEMA-STARK** Representative

INNOVATIVE TECHNOLOGY & COMPLETE SOLUTIONS

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