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Product Data Sheet

NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

OLCUT *Mineral MWF*

Olcut is a high quality mineral oil that contains additives emulsifiers and anti-rust for the rapid formation of emulsions highly stable with water and that confer properties against wear, rust, foam and the growth of fungi and bacteria. Thanks to its special formulation, and contrary to most products of this type, its rust protection improves by increasing the pressure of water, without affecting the emulsion stability.

Olcut is recommended in the operations of metal machinery where is necessary to cool the cutting tool, such as drilling, turning, sawing, brushing, drilling, grinding, welding electromagnetic parts, etc.

Recommended applications

Olcut it is used in concentrations ranging from 30:1 (thirty parts of water to one of oil) to 4:1 (four parts of water to one of oil), offering excellent protection to the piece worked during temporary storage indoors. It is suitable for the work of most metals except Magnesium and its alloys, due to the fire risk produced by the reaction between Magnesium and water.

Physical Properties

Viscosity @ 40°C (1) cSt	31.8
Viscosity @ 100°C (1) cSt	5.27
Viscosity Index Adm	95
Emulsion color	White
Flashpoint (1) °C	210
Relative density @ 15.6 °C	0.885
Acid number (1) mg KOH/g	4.56
pH (2)	8.74
Foam tendency (3) mL	0
Emulsion stability (3) mL oil/mL cream	0.1 / 0
Rust (4)	30:1
Cap screw block in V (2) Lbf	1250

Shelf Life: Product shelf life is 5 years from the date of manufacture, after which the product should be recertified prior to use.