



MOBILCUT™ 80

Mobil Industrial , India

Product Description

Mobilcut is the trademark for Mobil Industrial lubricants line of high performance water miscible metal removal fluids. Formulated with leading edge base oils, additives, and emulsifiers, the Mobilcut series provides dependable performance in a wide array of metal removal processes. The products are designed to work in a variety of water qualities and offer low foam potential and long-term corrosion protection for machine and components. Low maintenance and inherently stable, Mobilcut products are designed for the modern machine shop where long service life, excellent machining performance and health and environmental concerns are important factors for increased productivity. These products are supplied in concentrated form and require mixing with water at the point of use.

Mobilcut 80 is a general purpose semisynthetic metalworking fluid, which when mixed with water forms a very stable micro emulsion. This product has a low oil content and as a result the emulsion is clear to translucent and is very stable in harder water upto 1000ppm, ensuring consistent quality parts production.

Features and Benefits

Features	Advantages and Potential Benefits
Forms stable emulsions and solutions	Ease of use and maintenance
Low foaming potential	Improved performance even in high pressure systems
Resists formation of sticky residues	Improves machine cleanliness
Neutral Odor	Enhances the workplace environment
Compatible with high performance Mobil Vactra Oil No slideway lubricants	Easy separation and removal of tramp oil
Chlorine Free formulation	Ease of disposal and safer to use

Applications

This product is generally recommended for cutting most ferrous and some non-ferrous alloys in light to medium duty applications such as turning, milling, drilling and grinding.

Fluid Type: Semi-synthetic
Diluted Appearance: Translucent
Mineral Oil Content (in concentrate): 9%
Refractometer Correction factor: 2.4

Properties and Specifications

Property	
Appearance, Rating, PTM 100	Clear Amber Liquid
Specific Gravity at 15 C, PTM 103	1.02

Property	
Rust Protection, % v/v, PTM 108	3
pH at 5% DI Water, PTM 104	9.5

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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