Mobilcut™ 260

Mobil Industrial , Finland

Aqueous Metal Working Fluid

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 of non-chlorinated products provides dependable performance in a wide array of metal removal processes.

Mobilcut 260 is a high performance semi-synthetic fluid that readily emulsifies in water to form a stable micro-emulsion. The product is designed for a wide range of water qualities especially for soft waters and is resistant to foaming, even in high pressure systems.

Although containing only very little amount of stabilizers, it is extremely tolerant against dirt and contamination and therefore offers extended coolant life relative to conventional soluble oils while easy to care and maintain. Mobilcut 260 is free of Boron and Boron compounds.

It offers an outstanding and sustainable corrosion protection and very good wetting and detergency properties. Its base oil selection together with EP additives and lubricity agents offers a high degree of machining performance. Mobilcut 260 complies with VDI 3035 which means good compatibility vs. machine parts, paints as well as seals and isolation materials.

Mobilcut 260 is proved to have no particular dermatological relevance.

Features and Benefits

Mobilcut 260 water miscible cutting fluid is designed to help increase the productivity of modern machine shops by providing high performance features.

Features	Advantages and Potential Benefits
Extremely tolerant against dirt and contaminations	Ease of use and maintenance, less risk for unpleasant odors
Very little amount of stabilizers	Better acceptance by operators
Suitable from very soft to hard waters (5°dH up to 60°dH)	Low Foaming, high stability, problem solver
High degree of corrosion protection	Reduces machine maintenance and rework of materials
Wide range of machining applications	Potential to consolidate products and reduce inventories
Suitable for a variety of materials including Copper Alloys and Aluminium.	No stain on finished pieces

Applications

Mobilcut 260 is a high performance, semi-synthetic cutting fluid for virtually all machining operations on metallic materials. It especially enhances performance when machining aluminum and aluminum alloys and where low staining potential is important on sensitive components.

Mobilcut 260 is suitable for the machining of copper alloys. During the machining of copper alloys, the color of the emulsion might turn into green however there will be no staining on work pieces.

Minimum concentration should be 5%. On difficult applications or materials the concentration can be increased up to 10%. Water hardness should range from 5°dH up to 30°dH. Exceptionally water hardness up to 60°dH is possible. Mobilcut 260 is problem solver at extreme soft water (5°dH) and where an explicitly tolerant and resilient emulsion against dirt and contaminations is needed.

Typical Properties

Mobilcut 260	
Concentrate Appearance	Yellow, Liquid

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Diluted Appearance	Milky, fine disperse
Emulsion Type	Semi-synthetic
Mineral Oil Content (in concentrate)	40%
pH @ 5% Emulsion	9,8
Corrosion test (DIN 51360/II) Breakpoint %	5%
Refractometer Correction Factor	1,02

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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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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