Mobilcut™ 220

Mobil Industrial , Indonesia

High Performance Semi-Synthetic Cutting Fluid

Product Description

Mobilcut is the trademark for ExxonMobil's 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. The products are designed to work in a variety of hard and soft 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 220 is a versatile high performance and long life semi-synthetic metalworking fluid concentrate, suitable for all moderate machining and grinding operations on all ferrous and its alloys. It has unique formula with high performance extreme pressure additives, corrosion inhibitor packages and biocides which prevent bacterial & fungal attack and provides long life as well as stable performance during the application. It works very well in general machining and grinding of cast Iron, grey iron, steel and its alloys where traditional soluble oil may not perform adequately.

Features and Benefits

Mobilcut 220 is designed to help increase the productivity of modern machine shops by providing high performance features

Features	Advantages and Potential Benefits
Form stable emulsions and solutions	Ease of use and maintenance
Resistant to biological growth	Helps increase batch life and reduces unpleasant odor
Low foaming potential	Helps improve performance even in high pressure systems
High degree of corrosion protection	Helps reduce machine maintenance and rework of materials
Good separability from fines	Helps improve filterability and surface finish
Wide range of applicability	Potential to consolidate products and reduce inventories

Applications

High performance, semi synthetic cutting fluid, works very well in general machining and grinding of cast Iron, grey iron, steel and its alloys where traditional soluble oil may not perform adequately.

Properties and Specifications

Property	
Appearance (concentrate), -, Visual	Clear pale yellow liquid
Density @ 29.5 deg C, g/ml, ASTM D4052	0.997
pH of 5% Emulsion in D.M Water, Number, IHTP-004	9.5

Property	
Refractive Index factor @ 5% Emulsion in D.M. Water, Number, IHTP-001	1.5
Total Alkalinity, % Wt, KOH, IHTP-010	7.7
Corrosion Break Point, %, IP 287	3.0
Refractive Index factor @ 5% Emulsion in 400 ppm Water, Number, IHTP-001	1.5
Refractive Index @ 20 deg C (Concentrate), Number, ASTM D1218	1.43407

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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