



Mobilcut 147

Multipurpose Metalworking Fluid

Product Description

Mobilcut 147 is a long life biostable chlorine free high performance metalworking fluid. When mixed with water the emulsion formed has a milky appearance. Mobilcut 147 is formulated with high levels of lubricity additives to provide excellent performance in arduous machining operations.

Features and Benefits

Mobilcut 147 is high performance chlorine free product suitable for machining a wide range of metals. Mobilcut 147 provides the flexibility for product rationalisation and is particularly suitable for machining aluminium alloys used in the automotive industry. Mobilcut 147 is formulated to provide long service life and limits bacterial growth thereby helping to reduce smells associated with bacterial degradation.

Features	Advantages and Potential Benefits
Outstanding machining performance on aluminium, non-ferrous metals and ferrous metals including stainless steels.	Allows product rationalisation - reducing inventories
Wide multi-metal machining range	Allows product rationalisation - reducing inventories
Stable in a wide range of diluent water qualities	No need to treat water, unless extremely hard
Oil content protects machined components, machine fittings and fixtures	Minimises corrosion and sticky deposits on all slides and fixtures
Free of triazine biocides, phenols and nitrites	Safe to use and disposal is easier
Highly resistant to bacterial degradation	Very cost effective in service, providing long life
Chlorine free	Suitable for machining materials used in the Aerospace Industry

Applications

- Mobilcut 147 is recommended for machining aluminium, steels and yellow metals.
- Recommended dilutions
- Turning, Drilling, Sawing, Milling, Reaming, Deep Hole Boring 5-10%
- Consult your local ExxonMobil Area Engineer for a precise concentration recommendation based on the application
- Storage: Must be stored away from direct sunlight in frost free conditions, minimum temperature 5°C

Typical Properties

Mobilcut 147	
Appearance	Amber Fluid
Specific Gravity @ 20°C	0.94
Emulsion Type	Milky
pH @ 3% Emulsion	9.1
Corrosion test (IP 287) Breakpoint %	4
Refractometer Correction Factor	1.0

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. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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