

# Mobilcut 141

## Product Description

Mobilcut 141 is a long-life, biostable, chlorine-free high-performance metal working fluid. When mixed with water the emulsion formed has a milky appearance. Mobilcut 141 is formulated with high levels of lubricity additives to provide excellent performance in arduous machining operations.

## Features and Benefits

Mobilcut 141 is a high-performance, chlorine-free product suitable for machining a wide range of metals. Mobilcut 141 provides the flexibility for product rationalization and is particularly suitable for machining aluminum alloys used in the automotive industry. Mobilcut 141 is formulated to provide long service life and to resist bacterial growth to help reduce smells associated with bacterial degradation.

Features	Advantages and Potential Benefits
Outstanding machining performance on aluminum, non-ferrous metals and ferrous metals, including stainless steels.	Allows product rationalization - reducing inventories. Suitable for machining materials used in the aerospace industry.
Wide multi-metal machining range.	Allows product rationalization - 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.	Minimizes corrosion and sticky deposits on all slides and fixtures.
Free of chlorine, triazine biocides, diethanolamine, phenols and nitrites.	Safe to use and disposal is easier.
Highly resistant to bacterial degradation.	Very cost effective in service, providing long life.

## Applications

- Mobilcut 141 is recommended for machining aluminum, steels and yellow metals. It can be used in individual machine sumps and in centralized coolant systems.
- 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	141
Appearance	Amber Liquid
Specific Gravity @ 20°C	0.95
Emulsion Type	Milky
pH @ 3% Emulsion	9.1
Corrosion test (IP 287) Breakpoint %	3.0
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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