

Product Data Sheet

Mobilcut 212 Semi Synthetic Biostable Metalworking Fluid

Product Description

Mobilcut 212 is a low oil content biostable semi-synthetic water emulsifiable metalworking fluid.

Mobilcut 212 is specially formulated for use in centralised systems and for machining cast iron.

Benefits

Mobilcut 212 offers the following benefits:

- Low oil content biostable micro emulsion gives outstanding charge life
- Multi metal machining capability and low staining potential on low to medium tensile ferrous and non-ferrous metals
- Recommended for machining cast iron and for use in centralised systems
- Low foaming tendency even in soft water
- High level of corrosion protection for a low oil content product
- Keeps machines including fixtures and slides extremely clean and free from sticky deposits - accumulations of fines
- Highly resistant to bacterial and tramp oil degradation, ensuring extended charge life
- Excellent separation of fines for efficient filtration

Applications

The low oil content and high biostability plus the excellent flushing characteristics make Mobilcut 212 a very versatile fluid suitable for general machining, grinding and for centralised systems. It is particularly recommended for machining cast iron.

Recommended Dilutions

General Machining	5 - 8%
Surface Grinding / Cylindrical Grinding	4 - 7%

Consult your local Mobil Sales Engineer for a precise concentration recommendation based on the application.

Note

Use dilute emulsion 1-2% for top up. Never top up with water.

Storage

Mobilcut 212 concentrate must be stored in frost free conditions minimum temperature 5°C.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Product Characteristics

Mobilcut 212

Appearance	Amber
Specific Gravity at 20°C	1.00 - 1.10
pH at 3% emulsion	9.0 - 9.4
Emulsion Type	Translucent emulsion
Corrosion Test (IP 287)	2% Break Point

Due to continual product research and development, the information contained herein is subject to change without notice

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