

# CIMPERIAL<sup>®</sup> MB702-02

Cutting and grinding fluid for medium  
to heavy-duty applications



## Description

Cimperial MB702-02 is a clear, brown, water miscible, preformed microfine emulsion type cutting fluid concentrate.

## Application

Cimperial MB702-02 is a special cutting fluid developed for machining and grinding of aluminium and aluminium alloys. Cimperial MB702-02 can also be effectively used for machining and grinding cast iron and steel and is designed for use in central systems.

## Features and benefits

- No increased disposal costs - chlorine free
- Very mild product - bactericide free
- Clean product - keeps grinding wheels open and machines clean
- Long fluid life due to the unique product composition
- Provides a high quality finish when working aluminium and aluminium alloys
- Increase production. Cimperial MB702-02 contains effective lubricants, which reduce the amount of heat created in the cut and also carries the heat away quickly. These features permit higher speeds and feeds, thereby increasing production.
- Can be used in water up to 10 - 20° dH.

## Methods of application

Cimperial MB 702-02 is easy to mix, normal stirring only. For automatic mixing, the use of the Cimcool® Mix Master or Cimcool Mix Master S is recommended. Typical starting water temperature conditions should be 5 - 25°C.

## Recommended starting concentration

	Aluminium and copper alloys	Cast iron and carbon steel	Steel alloys and stainless steel
Grinding	3.0%	3.5%	4.0%
Standard machining	4.0%	4.0%	5.0%
Heavy duty machining	6.0%	6.0%	8.0%
Reaming, tapping, broaching	8.0%	8.0%	10.0%

Mix Master S: Concentration\*\* can easily be obtained by setting the regulator to the correct number.

\*\* The concentration may vary depending on local conditions. It is therefore always advised to check using the refractometer or TA Kit.

## Concentration analysis

For concentration analysis, use one of the below given methods or an appropriate laboratory procedure available from your local stockist.

Refractometer factor: 1.1

If the refractometer is used, the resultant reading multiplied by a factor of 1.1 will only be relevant when applied to a fresh mix.

Cimcool TA kit	Use 2 ml. Mix							*: next syringe		
%	1	2	3	4	5	6	7	8	9	10
Reading	0.88	0.79	0.69	0.59	0.49	0.40	0.30	0.20	0.10	0.01

## Handling and storage

Protect from freezing, direct sun and store between 5 - 35°C.

## Packaging type

5, 25, 200 and 1000 litre.

## Safety Data Sheet

The Safety Data Sheet should be consulted for specific information and information on Health, Safety and Environment when handling this product.



**Cimcool Industrial Products**  
Schiedamsedijk 20  
3134 KK Vlaardingen  
The Netherlands  
Tel: +31 (0)10-4600660  
cimcool.eu@duboischemicals.com  
[www.cimcool.com](http://www.cimcool.com)

