

# CIMSTAR® 501FF

Medium to heavy duty cutting and grinding fluid  
without formaldehyde releasing biocide



## Description

Cimstar 501FF is a multipurpose micro-fine formaldehyde releasing biocide free emulsion with enhanced performance.

## Application

Cimstar 501FF is a cutting fluid recommended for medium to heavy duty grinding and machining of all ferrous and most non-ferrous metals. It is specifically designed for use in soft water (5 - 15° dH).

## Features and benefits

Cimstar 501FF is a highly cost effective and pleasant to work with micro-fine emulsion. The specially selected raw materials and outstanding cleanliness of Cimstar 501FF both provide a long fluid life and favourable working conditions. The long fluid life is further ensured by the perfect emulsion stability, while the superb foam control further guarantees optimal working conditions. Cimstar 501FF has a low top up rate, which results in an exceptionally low fluid consumption. This low consumption together with a long fluid life significantly reduces total costs.

## Methods of application

Cimstar 501FF 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

Grinding	4 - 6 %
Machining	5 - 10 %

## 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:	1.6
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If the refractometer is used, the resultant reading multiplied by a factor of 1.6 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	0.72	0.56	0.40	0.23	0.07	*.91	*.75	*.59	*.43

## Handling and storage

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

## Packaging type

200, 1000 litre and bulk.

## Safety Data Sheet

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



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