

# CIMSTAR® 430FF

Formaldehyde releasing biocide free cutting and grinding fluid for medium duty applications



## Description

Cimstar 430FF is a clear, yellow, water miscible, preformed microfine emulsion type cutting fluid concentrate free of formaldehyde releasing biocides.

Cimstar 430FF is a general-purpose cutting fluid recommended for medium duty grinding and machining of all ferrous and most nonferrous metals. Cimstar 430FF is a product designed for use in individual machines, pre-mix and central systems. Cimstar 430FF is suitable for a broad starting water hardness range 3 - 20°dH.

## Features and benefits

- Long fluid life due to the special product composition.
- Suitable for a wide range of materials and operations.
- Formaldehyde releasing biocide free.
- Excellent emulsion stability.
- Clean and mild product.
- Good foam control in the indicated water hardness range.
- Low consumption due to the low top up rate.
- Suitable for pre-mix systems due to low soap formation in the indicated water hardness range

## Methods of application

Cimstar 430FF 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 - 8 %

## 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:	1.9
-----------------------	-----

If the refractometer is used, the resultant reading multiplied by a factor of 1.9 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	0.82	0.66	0.50	0.33	0.17	0.01	*.84	*.68	*.52	*.35

## 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: (0)10-4600660  
Fax: (0)10-4603240  
cimcool.eu@duboischemicals.com  
[www.cimcool.com](http://www.cimcool.com)

