

# CIMVANTAGE<sup>®</sup> 49FF

Cutting and grinding fluid  
for medium duty applications



## Description

Cimvantage 49FF is a multi-purpose, water miscible, micro-fine emulsion. Cimvantage 49FF is free from formaldehyde releasing biocides.

## Application

Cimvantage 49FF is a general purpose cutting fluid recommended for medium duty grinding and machining of all ferrous and most non-ferrous metals. It is specifically designed for use in medium to harder water (8-20° dH).

## Features and benefits

- Suitable for a wide range of materials and operations.
- Clean and mild product.
- Good foam control in the indicated water hardness range.
- Easy to mix, normal stirring only.
- Economical due to low top-up.

## Methods of application

Cimvantage 49FF 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 alloys	Cast iron and carbon steel	Steel alloys and stainless steel
Grinding	5.0%	5.0%	6.0%
Standard machining	6.0%	6.0%	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:	2.7
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If the refractometer is used, the resultant reading multiplied by a factor of 2.7 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	0.89	0.78	0.67	0.56	0.45	0.34	0.24	0.13	0.02	*.91

## Handling and storage

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

## Packaging type

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.



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