

# CIMSTAR® 37-600HW

Boron and formaldehyde releasing agent free product for medium to heavy duty applications equipped with CimShield *N-Durance* Technology



PRODUCT INFORMATION FLYER

## Description

Cimstar 37-600HW is a multipurpose, water-miscible, micro fine emulsion type cutting fluid concentrate. This high-performance micro emulsion is free of boron, nitrite, chlorine and formaldehyde releasers. The Cimstar 37-600HW is equipped with Cimcool's CimShield *N-Durance* Technology. This latest technology innovation boosts the product "*N-Durance*" combining high alkalinity with acceptable pH, thereby securing product stability, pH buffering and corrosion protection.

## Application

Cimstar 37-600HW is a general-purpose cutting fluid recommended for medium to heavy duty machining and grinding of all ferrous and most non-ferrous metals. Cimstar 37-600HW is designed for use in individual machines and central systems, and performs well when used in medium to hard water (typically 10 to 20° dH).

## Features and benefits

- The innovative blend of "*N-Durance*" materials work in synergy providing alkalinity, product stability, pH buffering and corrosion protection. The result is a next generation CimShield Technology outperforming many traditional products, by providing low-top up rates, clean machines and high product stability
- General purpose cutting fluid - Suitable for a wide range of materials and operations.
- Does not stain aluminium and aluminium alloys.
- Operator friendly - Mild to the skin, clean, no smell, no mist and excellent foam control.
- Economical - Exceptionally low top up rate, long tool life, long fluid life, excellent results.

## Methods of application

Cimstar 37-600HW is easy to mix, normal stirring only. For automatic mixing, the use of the Cimcool® MixMaster or Cimcool MixMaster S is recommended. Typical starting water temperature conditions should be 5 - 25°C.

## Recommended starting concentration

Grinding and machining, starting concentration	6 - 10%
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## 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:	1.5
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If the refractometer is used, the resultant reading multiplied by a factor of 1.5 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	0.80	0.66	0.52	0.38	0.24	0.09	*.95	*.81	*.67	*.53

## Handling and storage

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

## Packaging type

5, 20, 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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