

Boron and formaldehyde releasing agent free product for medium duty applications equipped with CimShield Technology.



## Description

Cimstar 35-511 is a multipurpose, water-miscible, micro fine emulsion type cutting fluid concentrate. This high-performance emulsion is free of boron, nitrite, chlorine and formaldehyde releasers. The Cimstar 35-511 is equipped with Cimcool's unique CimShield Technology. This innovative technology will secure the product stability, the pH buffering of the mix and gives excellent corrosion protection.

## Application

Cimstar 35-511 is a general-purpose cutting fluid recommended for light to medium duty grinding and machining of all ferrous and most non-ferrous metals. Cimstar 35-511 is designed for use in individual machines and central systems, and performs extremely well when used in soft water (< 12° dH). For harder water we recommend Cimstar 35-561.

## Features and benefits

- CimShield Technology - Based on a unique formulation and contains a special blend of new innovative materials. These materials work in synergy providing product stability, pH buffering and corrosion protection. The results equal traditional products which contained boron and formaldehyde releasing agents. The CimShield Technology not only protects the product from outside influences but also shields the product from evaporation, resulting in low top up rates and thus reducing overall consumption.
- General purpose cutting fluid - Suitable for a wide range of materials and operations.
- Operator friendly - Mild to the skin, clean, no smell, no mist, no hazardous labelling and excellent foam control.
- Economical - Exceptionally low top up rate, long tool life, long fluid life, excellent results.

## Methods of application

Cimstar 35-511 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:	1.6
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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	0.79	0.70	0.61	0.52	0.44	0.35	0.26	0.17	0.08	

## Handling and storage

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

## Packaging type

20, 1000 and 200 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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