

# CIMTECH® 35-15

Boron and formaldehyde releasing agent free light duty synthetic metalworking fluid equipped with CimShield Technology.



## Description

Cimtech 35-15 is a clear, water soluble type cutting fluid concentrate. This high-performance synthetic is free of boron, nitrite and formaldehyde releasers. The Cimtech 35-15 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

Cimtech 35-15 is a synthetic fluid suited for light duty grinding and machining operations of ferrous materials where light lubricating and/or enhanced corrosion inhibiting properties are required. Cimtech 35-15 can be used either in individual machines or in central systems. It can also be used for submerged testing of finished and semi-finished parts.

## 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.
- Cimtech 35-15 is a clean and transparent grinding fluid with excellent washing and cooling action. It also provides some lubrication, keeps grinding wheels open and has good swarf settling properties.
- Economical - Exceptionally low top up rate, long fluid life, excellent results.
- Cimtech 35-15 has superior cleanliness and rejects tramp oil.
- Cimtech 35-15 is highly recommended when enhanced corrosion control on ferrous materials is required. It is well suited to cast iron and other ferrous metals.

## Methods of application

Cimtech 35-15 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 operations  | 5% |
| Light duty machining | 6% |

## 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.

## Concentration analysis

For concentration analysis, use the below given method or an appropriate laboratory procedure available from your local stockist.

|                       |     |
|-----------------------|-----|
| Refractometer factor: | 2.5 |
|-----------------------|-----|

If the refractometer is used, the resultant reading multiplied by a factor of 2.5 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        | 0.81          | 0.59 | 0.36 | 0.13 | *.90 | *.67 | *.44 | *.22 | ** .99 | ** .76 |                 |  |

## Handling and storage

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

## Packaging type

200 and 1.000 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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