

Extreme heavy-duty sulphur EP based cutting fluid



Description

Cimplus T4005 is a water miscible, sulphur EP based, boron and formaldehyde free semi-synthetic type cutting fluid concentrate.

Application as cutting fluid

Cimplus T4005 is a cutting fluid developed for extreme heavy duty machining and grinding of ferrous and non-ferrous metals, including many applications where straight cutting oils are used and machine design permits the use of water mixed products. Cimplus T4005 is designed for use in individual machines and central systems.

Application as performance enhancing additive

Cimplus T4005 can also be used in combination with Emulsions and high oil semi-synthetic products. It improves the (EP) lubricity on ferrous materials like for example needed in deep hole drilling operations.

Features and benefits

- Improved productivity, tool/wheel life, and part quality for both heavy duty cutting and grinding operations.
- Boron and formaldehyde releasing biocide free.
- Special extreme pressure (EP) additives reduce toolwear.
- Multifunctional: can be used as EHD cutting fluid and performance enhancing additive,

Methods of application as cutting fluid

Cimplus T4005 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 as cutting fluid

Heavy duty grinding and machining	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 as cutting fluid

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

Refractometer factor: 1.2

If the refractometer is used, the resultant reading multiplied by a factor of 1.2 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	0.72	0.63	0.55	0.46	0.37	0.28	0.19	0.11	0.02

Methods of application as performance enhancing additive

Cimplus T4005 should be added to places where the cutting fluid has sufficient motion to ensure proper mixing.

Recommended dosage as performance enhancing additive

1 liter of Cimplus T4005 can be added to 50 - 100 liter of cutting fluid mix.

Handling and storage

Cimplus T4005 is a revolutionary, high-tech product displaying highest possible effectiveness even under the most difficult circumstances. Unfortunately, the superior components of this product shorten shelf-life to 6 months. It is of the utmost importance that Cimplus T4005 be stored at temperatures between 5° and 35°C and used within six months after manufacturing date.

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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