

CIMTECH[®] 400MSL

Cutting and grinding fluid
for heavy duty applications



Description

Cimtech 400 MSL is a clear, yellow, water soluble, non-nitrite, synthetic cutting fluid concentrate that contains a unique non-mineral oil lubricant developed and patented by Milacron Inc.

Application

Cimtech 400 MSL is recommended for heavy duty machining and grinding of ferrous and non-ferrous metals. It can be used instead of heavy-duty emulsions and even straight cutting oils when machine design permits the use of water based fluids. Cimtech 400 MSL is particularly effective for the machining and grinding of alloy steels and exotic metals.

Features and benefits

- Exceptional increase in tool life.
- Provides excellent lubrication over a wide range of applications.
- Carefully selected raw materials ensure a long fluid life.
- Reduces heat generation in heavy duty cutting applications.
- Good washing action and low foaming characteristics.
- Rejects tramp oil.
- Compatible with all types of filter systems.
- Clean, mild and pleasant to use: no oil mist and odour free.
- Can be used in water up to 5 - 30° dH.

Methods of application

Cimtech 400 MSL 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

	Cast iron and carbon steel	Steel alloys and stainless steel	Titanium and other alloys
Heavy duty grinding	3.0%	3.0%	3.0%
Heavy duty machining	4.0%	6.0%	6.0%

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:	3.2
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If the refractometer is used, the resultant reading multiplied by a factor of 3.2 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	0.80	0.64	0.48	0.32	0.16	*.99	*.84	*.68	*.52	*.35	

Handling and storage

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

Packaging type

5, 25, 200, 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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