

CIMPERIAL® 31-283-02

Automotive line

Cutting and grinding fluid for
heavy-duty applications



Description

Cimperial 31-283-02 is a clear, water miscible, preformed emulsion type cutting fluid concentrate, without formaldehyde releasing biocide.

Application

Cimperial 31-283-02 is a general-purpose cutting fluid for machining of automotive aluminium and aluminium alloys. It can, at sufficient concentration, also be used on steel (alloys). Cimperial 31-283-02 is designed for use in individual machines and in central systems. Cimperial 31-283-02 is suitable for soft to medium starting water hardness (5 - 15 dH).

Features and benefits

- Mild, formaldehyde-releasing biocide free product with milky appearance,
- Does not stain (automotive) aluminium alloys,
- Economical: exceptionally low top-up rate, long tool life, long fluid life, excellent results,
- No increased disposal costs - chlorine free,
- Clean product - keeps grinding wheels open and machines clean,
- Provides a high quality finish and an increased production due to the effective combination of lubricants.

Methods of application

Cimperial 31-283-02 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	6.0 %
Standard machining	6.0 - 8.0 %
Heavy duty machining	8.0 - 10.0 %

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:	1.1
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If the refractometer is used, the resultant reading multiplied by a factor of 1.1 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	0.84	0.71	0.57	0.44	0.31	0.18	0.05	*.92	*.79	*.65

Handling and storage

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

Packaging type

1000, 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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