

CIMPERIAL[®] 896

Boron free heavy duty cutting fluid

without formaldehyde releasing biocide



Description

Cimperial 896 is a clear, boron and formaldehyde releasing biocide free, water miscible, emulsion type cutting fluid concentrate.

Application

Cimperial 896 is a special cutting fluid developed for machining and grinding of aluminium and aluminium alloys. It can also be used for machining and grinding of steel and is designed for use in central systems and individual machines. Cimperial 896 is designed for a wide range of water hardness (starting water hardness 10-25° dH).

Features and benefits

- Excellent cleanliness - keeps machine tools clean.
- Special aluminium lubricants reduce tool wear.
- Provides a high quality finish when working with aluminium and aluminium alloys.
- Specially selected raw materials ensure a long fluid life.
- Will not smoke or burn.

Methods of application

Cimperial 896 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

	Aluminium	Steel alloys and stainless steel
Grinding	5.0%	5.0%
Standard machining	6.0%	6.0%
Heavy duty machining	8.0%	8.0%
Reaming, tapping, broaching	10.0%	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.

Concentration analysis

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

Refractometer factor:	1.0
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If the refractometer is used, the resultant reading multiplied by a factor of 1.0 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	0.96	0.94	0.92	0.89	0.87	0.85	0.82	0.80	0.78	0.75	

Handling and storage

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

Packaging type

5, 25, 200 and 1.000 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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