



PRODUCT DATA SHEET

Metal Working Fluid

CIM Supreme Cut

DESCRIPTION

Supreme Cut is a biostable metalworking coolant, which is nitrite and biocide free, and is used for general machining on materials such as steel, aluminum, cast iron and brass. It is recommended for all kinds of operations, achieving superior surface finish and giving long tool life.

OUTSTANDING FEATURES

Supreme Cut gives the following benefits:

- Good antifoam characteristics
- Excellent anti-corrosion protection
- Good emulsion stability in hard water
- No sticky residues

- Formulated specifically to be non-aggressive in the event of skin contact
- Superior filtration properties

DIRECTIONS FOR USE

Supreme Cut disperses quickly in water when an emulsion is prepared, giving an almost transparent solution. The emulsion concentration will vary according to the different machining operations and work piece material. The average percentage of use is listed as a guideline below:

- Machining of steels 4-6%
- Machining of cast iron 3-6%
- Machining of aluminum 4-6%
- Brass 3%

Physical Characteristics CIM Supreme Cut

Appearance	Pale Yellow
Emulsion:	
Type	Bright White in Colour
Density @ 20	0.869 gm/cm ³
Viscosity @ 40	31.5
Mineral base oil content	70%
Additive content	30%
pH Distilled Water (5%)	9.0
Thermal Stability @ 0 (24 hours)	Bright and Clear with no separation
Thermal Stability @ 50 (24 hours)	Bright and Clear with no separation
Nitrite Content	Nil
Phenol & Cresol Content	Nil

CIM Supreme Cut

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