

## Product Information

### Water Soluble Cutting Fluids

## FRIGOMET HM 442

is a transparent high performance product free of oil suitable for the machining of hard metals. Thanks to special ingredients the product delays the surface drying of micro debris and makes further washing processes easier.

### Benefits:

- Free from boron and silicon
- Transparent fluid, free of mineral and synthetic oils
- Particularly recommended for the grind of hard metals
- Prevents the dissolution of cobalt
- High stability and long sump life
- Easy maintenance by and very good tramp oil separation
- Excellent washing and wetting characteristics ensure clean parts and machines
- Good foaming characteristics
- Outstanding skin compatibility

### Data of the Product (Water-Mixed):

Determination	Method	Unit	Value
pH-Value 5.0%	ASTM D 1287	---	9.3
Corrosion test	ASTM D 4627-92	[w/w] - K0	4.5

### Data of the Product (Concentrate):

Determination	Method	Unit	Value
Density, 20°C	ASTM D 1298	[kg/m <sup>3</sup> ]	1125
Kin. viscosity, 40°C	ASTM D 445	[mm <sup>2</sup> /s]	16

### Recommended concentration (depending on application and conditions):

5 – 6%

### Factors (other factors on request):

Refractometer: 1.3%/°Bx  
 Testkit: 7,3%/ml

### Shelf Life/ Storage Conditions:

12 months under ambient storage conditions. The product may become discolored during storage. This does not influence the quality of the concentrate or mixed solution.

### Industrial Health and Safety - Environmental Protection:

For more details about health and safety please read the information on the safety data sheet.

### Disposal:

In compliance with the local waste regulations