

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

- Transparent fluid, free of mineral and synthetic oil
- Free from boron and silicon
- Excellent suitable for the grinding of hard metals
- Effectively prevents cobalt release
- Outstanding tramp oil separation and therefore easy maintenance and long service life
- High stability
- Good foaming characteristics
- Good washing and wetting characteristics ensure clean parts and machines
- Outstanding skin compatibility

DATA OF PRODUCT | WATER-MIXED

DETERMINATION	METHOD	UNIT	VALUE
pH-value 5.0%	DIN 51 369	---	9.3
Corrosion test	DIN 51 360/2	[w/w] - K0	4.5

DATA OF PRODUCT | CONCENTRATE

DETERMINATION	METHOD	UNIT	VALUE
Density, 20°C	DIN 51 757	[kg/m ³]	1116
Kin. viscosity, 40°C	DIN EN 16 896	[mm ² /s]	14
Refractive index, n _D ²⁰	DIN 51 423	---	1.453

RECOMMENDED CONCENTRATION (DEPENDING ON APPLICATION AND CONDITIONS)

- Standard concentration at room temperature: 5.0 - 6.0%
- Product can be use in a higher concentration. Please contact your coolant partner for more information.
- See also "Technical information: New fill general".

FACTORS (OTHER FACTORS ON REQUEST)

Refractometer 1.3%/°Bx
Testkit 6.3%/ml

SHELF LIFE | OPERATING AND STORAGE CONDITIONS

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

INDUSTRIAL HEALTH, SAFETY AND 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.