

Product Information

Water Soluble Cutting Fluids

FRIGOMET 81 N

is a fully synthetic cutting fluid free of oil. The product is suitable for standard to medium machining applications with steel and non-ferrous metals. Its excellent flushing and wetting performance provides an efficient removal of chips and swarf. This qualifies the product especially for high performance grinding operations.

Benefits:

- Free from bactericide and silicon
- Transparent fluid, free of mineral and synthetic oil
- Suitable for the machining of steel, cast, iron, aluminium alloys and non-ferrous metals
- Excellent flushing and wetting action, high swarf transportation and cooling efficiency
- Long sump life due to high stability against salt loads
- Easy maintenance by tramp oil separation

Data of the Product (Water-Mixed):

Determination	Method	Unit	Value
pH-Value 5.0%	ASTM D 1287	---	9.1
Corrosion test	ASTM D 4627-92	[w/w] - K0	4.0

Data of the Product (Concentrate):

Determination	Method	Unit	Value
Density, 68°F	ASTM D 1298	[kg/m ³]	1084
Kin. viscosity, 104°F	ASTM D 445	[mm ² /s]	15

Recommended concentration (depending on application and conditions):

4 – 8%

Factors (other factors on request):

Refractometer: 2.4%/°Bx
 Testkit: 10.6%/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