

TORMA 1 FB

Semisynthetic water-miscible coolant



DESCRIPTION

It is a semisynthetic coolant of high quality, emulsifiable, cutting and grinding, of new formulation, prepared according to the latest acquisitions of modern technology to meet the most advanced requests of workshops for mechanical processing.

In particular, an innovative, advanced and exclusive bio-stabilization system has been adopted which makes the TORMA 1 FB, at the recommended concentrations of use, highly resistant to microbiological attack.

It is free of chlorine, boric compounds, formaldehyde donors, biocides, secondary amines and their derivatives.

It provides:

- a high degree of tolerability for operators;
- high stability of the emulsions, thanks to an innovative and exclusive formulation system;
- an excellent level of surface finish of the machined pieces and durability of the tools and good cutting power at recommended use concentrations;
- reduction of the fumes being processed;
- excellent anti-rust and anti-corrosion protection;
- excellent lubrication of the guides and sliding parts of the machine tools and good cleaning power for a high degree of cleaning;
- good miscibility and stability even with hard water;

- excellent resistance to foaming, at normal concentrations of use, even with fresh water.

The fresh emulsion is clear, translucent, opalescent and is concentrated during use, taking on a milky appearance.

The mineral oil content is around 10%.

APPLICATIONS

The great versatility of use is particularly interesting for this product, for both removal and grinding processes (in particular without centers), on ferrous materials, in centralized systems and in tanks of single machines, especially those with numerical control. Its high antifoam power allows it to have excellent performance even when working with high pressure pumps and in all those situations in which the refrigerant fluid is subject to strong banging and air blowing.

Suitable for both medium-high hardness waters, to be checked before use, and relatively low hardness.

OPERATING INSTRUCTIONS

Slowly pour in water, taking care to mix perfectly.

The concentrations of use are:

- 4-6% for grinding operations
- 5-9% for general processing
- > 9% for heavy machining

STORAGE

It is necessary to protect from frost.

AVERAGE CHEMICAL AND PHYSICAL PROPERTIES*

Characteristic	Method	U.m.	Value
Physical Aspect	Visivo/Visual	-	Liquido ambrato
Density at 20°C	ASTM D 7042	Kg/lt	1,032
Refractometric Index	P.O. 10.12	-	1,67
Alkaline Reserve	P.O. 10.5	ml/g	32,5
pH(5% water)	P.O. 10.11	UpH	9,56
Conductivity at 10% Distilled Water	P.O. 10.14	µS/cm	5680

*This data do not constitute specification

04/06/2020



BELLINI S.p.A.
Via Don Milani, 8 - 24050- Zanica (BG)
Tel. +39035673948 – fax +39035673958
Email: mail@bellini-lubrificanti.it
www.bellini-lubrificanti.it