

TORMA ABF ECO FF

Mineral watermiscible lubricant



DESCRIPTION

It is a highly refined water miscible cutting coolant, which, in accordance with the latest hygienic-sanitary requirements, does not contain any type of amines, formaldehyde donors, boron and its derivatives.

It is obtained from hydrogenated mineral bases and highly greasing synthetic additives.

It is free from chlorinated paraffins.

Due to the use of stabilizing additives derived from cosmetics, it forms very stable milky emulsions with bacteriostatic characteristics.

Features:

- stability to bacterial attack and excellent resistance to fungal contamination;
- excellent detergent and scrap decanting property;
- maximum hygienic-sanitary compatibility;
- pleasant odour;
- excellent protection of aluminium and its alloys, guaranteed by the low level of buffered pH to approx. 9 and by specific additives;
- excellent cutting property;
- excellent resistance to foaming.

The emulsion is milky white, clean, pleasant to handle.

APPLICATIONS

It is particularly suitable for all chip removal, cutting operations, including heavy ones, on yellow and aluminium alloys, and ferrous materials.

Suitable for water hardness up to 40° FF.

OPERATING INSTRUCTIONS

We recommend the use of an automatic mixer to prepare the emulsions, which can still be done manually pouring the oil slowly into water with adequate mechanical agitation. In this case, some hearts of oil may form on the surface, however, these are absorbed if the emulsion is used immediately, or in some dozen minutes if it is left resting. The recommended concentration level is 7%; for particularly heavy operations, the concentration may be increased up to 10-15%.

WARNINGS

For cast iron processing, please contact our technical sales office.

STORAGE

Protect from frost (> 0 ° C) and from the direct sunlight (do not leave packages exposed to the sun).

AVERAGE CHEMICAL AND PHYSICAL PROPERTIES*

Characteristic	Method	U.m.	Value
Physical Aspect	Visivo	-	Liquido limpido ambrato
Density at 20°C	ASTM D7042	Kg/lt	0,938
Conductivity at 10% Distilled Water	P.O. 10.14	µS/cm	1180
pH(5% water)	P.O. 10.11	UpH	8,59
Refractometric Index	P.O. 10.12	-	0,96
Alkaline Reserve	P.O. 10.5	ml/g	2,15

*This data do not constitute specification

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