

TORMA SYNTH PLUS FF

Description:

Cooling lubricant free from oil. When mixed in water, it gives a perfectly clear solution, suitable for grinding ferrous materials. It has excellent antioxidant and antirust properties. This property, combined with its detergency skill and its capacity to prevent foam and fog, allows its usage in a wide range of grinding operations and, particularly, on strong beating machines and on swing-frame grinding machines.

Application:

Formation of the solution

TORMA SYNTH PLUS FF dissolves in a spontaneous way and spreads rapidly in the water whether you prepare the solution manually or using a mixer. In the first case, it is valid the basic rule to pour the product into water (and not the opposite) to give the product the opportunity to spread uniformly in its mass. This operation, if done slowly and stirring regularly, will provide that the solution forms the best stability and will enhance the best features of the product. It dissolves properly also using mixers, both suction and volumetric, with the recommendation to periodically check the calibration and the correct efficiency.

Substitution of the solutions

Both in the case in which TORMA SYNTH PLUS FF is used for the first time and when you replace an exhausted bath, you should first wash and disinfect carefully the circuit and the cooling tank. The Technical Service Bellini is available to assist the customer in both the evaluation of the state of the bath, eventually to be changed, and its renovation.

Hygiene

Both the selection of raw materials and the health tests to which the Bellini cooling lubricants are submitted ensure that, when used correctly in accordance with the requirements, they are safe for operators.

It's worth mentioning that a refrigerant in the tank operates for a often long period, during which it suffers pollution of chemical nature (hydraulic oils, greases, metals solution, coatings, passivation, etc..) and bacterial (hands of the operators, work pieces, used industrial water, foundry dirt, various waste, etc..). A careful attention in order to minimize these disruptions and to properly evaluate the periods of renovation of the bath, emphasize to the best, even from this point view, the properties of the TORMA SYNTH PLUS FF.

Unloading of exhausted solutions

The Technical Service Bellini is available for customers to provide the necessary data for a correct formulation of the problem.

Using instructions:

Percentage of use of TORMA SYNTH PLUS FF are the following:

Grinding and surface grinding:

4-5% regardless of water hardness, as the product has high stability, even with very hard water and doesn't have foam formation with "sweet" water.

Storage:

Protect from frost and direct sunlight.

AVERAGE CHEMICAL AND PHYSICAL PROPERTIES*

Physical Aspect	Colourless limpid liquid		
Density at 20°C	ASTM D 1298	Kg/lit	1,135
pH at 5% (in water) with fresh emulsion	-	Uph	9,16
Boiling Point	-	°C	>100
Flash Point	ASTM D 92	°C	N.A.
Self-Flammability	ASTM D 92	°C	N.A.
Refractometric Index	-	-	1,61
Alkaline Reserve	S.Q. Bellini PO 10.5	-	35,80

* these data do not constitute specification

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