

DET EM PLUS

Maintenance product



DESCRIPTION

DET EM PLUS is a product made of an aqueous solution, containing surfactants and preservative agents, with a high alkaline reserve.

It is a powerful detergent and sanitizing product, that helps removing sludges and residues in machines tools and centralized systems tanks, where a soluble or emulsifiable metalworking fluid is working.

DET EM PLUS can be easily used and it is convenient, as it is not necessary to stop automatic machines tools or plants: indeed, the cleaning operation is made while they are working.

It can be used both as detergent and sanitizer of emulsions to be substituted and as preservative of the emulsions in use.

APPLICATIONS

DET EM PLUS is particularly suitable for the cleansing and sanitization of single machines' and centralized systems' pipes and tanks, containing a water-based coolant and as an additive to extend the lifespan, improve the bacterial resistance, the detergency and the performances of the water miscible coolants in use.

OPERATING INSTRUCTIONS

1 - Detergent and sanitizing action:

DET EM PLUS is fundamental when it is necessary the substitution of the coolant in use, in order to ensure that the fresh emulsion will not be contaminated by bacterial or fungal flora, which are present in the plant, even after the removal of the exhausted oil.

Before emptying the tank or the centralized plant, at the beginning of the last working shift, add 1.0-2.0% (depending on the dirt level to be removed) of DET EM PLUS to the emulsion, directly into the tank or in a point of maximum shaking.

After about 24 hours, the emulsion has to be substituted, making sure to clean carefully any possible residue and rinsing if necessary.

2 - Preservative action of the emulsion in use

If you want to:

- improve the machines cleaning and the emulsion detergency;
- keep the emulsion intact in view of a rest period;
- improve the odour and the antioxidant protection of the emulsion;

It is enough to add 0.5% of DET EM PLUS to the emulsion in a point of maximum shaking.

WARNINGS

Please contact our Technical Sales Service, before processing copper and yellow alloys.

AVERAGE CHEMICAL AND PHYSICAL PROPERTIES*

Characteristic	Method	U.m.	Value
Colour	Visivo/Visual	-	Liquido limpido bruno
Odour	P.O. 10.50	da 0 a 3	Sui generis
Density at 20°C	ASTM D 7042	Kg/lt	1,022
Viscosity at 40°C	ASTM D 7042	cSt	1,98
Viscosity at 100°C	ASTM D 7042	cSt	N.A.
Viscosity Index	ASTM D 2270	-	N.A.
Flash Point V.A.	ASTM D 92	°C	N.A.
pH	P.O. 10.11	UpH	10,5

*This data do not constitute specification

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