

BIOPRO W10 ST

Water-based rust preventive oil



DESCRIPTION

It is a new anti-rust formulated according to the most innovative criteria of the technological research.

It is made of a water-based mixture of synthetic esters and mineral oil (obtained from a selective and focused refining), mixed with anti-corrosion and metallic passivator additives, which ensure an excellent protection from rust on cast iron and steel, leaving on the treated surfaces a light protective oily film, particularly efficient thanks to its excellent wetting property.

It is free from Volatile Organic Compounds (VOCs), in accordance with Directive 1999/13/EC, and from hard metals, such as barium.

Even if normally it is not necessary, it could be easily removed with a petroleum solvent or with an alkaline cleaning.

APPLICATIONS

Passivation and antirust protection on ferrous materials, especially cast iron and steel, even after thermal treatment or electroplating processes.

OPERATING INSTRUCTIONS

The product is to be used as it is, for immersion, low-pressure spray and jet application, in a temperature range between 20 and 30°C.

- Before using BIOPRO W10 ST, we recommend to clean the pieces' surfaces from contaminants such as oils,

greases, metallic dust, etc, in order to ensure a better anti-rust protection.

- Check regularly the product's pH, which has to be kept between 9,73 and 10,33

- Stock the processed pieces in sealed packages and/or in warehouse, only after having verified the complete drying, in order to ensure a better anti-rust protection and in any case not earlier than 30 minutes.

The drying time can be reduced using drying systems such as hot air flows.

- We recommend using deionized water to top-up evaporation losses, in order to minimize the risk of stability and rust problems, induced by a water hardness increase and by a raise of the inorganic salts (NaCl) concentration.

- We recommend to stock the BIOPRO W10 ST package in warehouse, to avoid evaporation and deposits formation and it has a dip shaking system to keep the emulsion stable while processing.

For further information, please contact our technical sales office.

WARNINGS

In the "protection duration" recommendations, when indicating "stock in warehouse" it is meant as a closed environment with humidity not over 60%.

AVERAGE CHEMICAL AND PHYSICAL PROPERTIES*

Characteristic	Method	U.m.	Value
Density at 20°C	ASTM D 7042	Kg/lt	0,994
Viscosity at 40°C	ASTM D 7042	cSt	4,21
Flash Point V.A.	ASTM D 92	°C	N.A.
Flash Point V.C. (PM)	ASTM D 93	°C	N.A.
Covering power	P.O.10.58	g/m ²	9,9
Film thickness	P.O. 10.58	µm	2,0
Indoor storage	-	mesi	12
Outdoor storage	-	mesi	6

*This data do not constitute specification

12/09/2019



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