



LUBRO SEMISINT BS

Multifunctional semi-synthetic cooling lubricant

FEATURES

LUBRO SEMISINT BS is a semi-synthetic coolant formulated starting from raw materials that do not contain: **PAH** compounds (polycyclic aromatic hydrocarbons), secondary amines, boron and petroleum sulphonates. The product does not contain formaldehyde releasers. It forms stable emulsions over time, with a strong anti-rust power (passes the **Paper Test** at 3%), and a low foaming power.

The latter was a feature to which importance was given in the creation of the product.

In fact, **LUBRO SEMISINT BS** constantly maintains a low foaming power even when used on machines with a high number of revolutions and on the latest generation machining centers which spray the coolant solution at very high pressures (even up to 30-40 bar). Another prominent feature is the broad spectrum of use achieved with the development of the formulation, therefore the product is suitable for light and medium-heavy machining ranging from alloys (aluminum and magnesium) to cast iron and various types of steel including alloys containing cobalt, up to titanium alloys, due to the negligible content of halogens.

The components used in the formulation also make it less aggressive in case of working copper and its alloys.

It can be used both on single machines and on centralized systems.

Furthermore, if the emulsion is subject to degradation, the formation of ammonia as a by-product will be limited, thanks to the particular formulation of **LUBRO SEMISINT BS**, helping to maintain a healthy working environment.

CHEMICAL/PHYSICAL DATA

- Aspect: liquid
- Color: pale yellow
- pH (sol.5%): 9,3
- Density (20°C): About 1 Kg/litro
- Refractometric factor: 1,45



HOW TO USE

Add the required quantity of **LUBRO SEMISINT BS** to the water while stirring (**never do the opposite operation**) or use the mixer suitably calibrated to the desired percentage.

Indicative concentrations for use:

- Grinding: 2,5–3,5 %
- Light machining: 3–5 %
- Deep drilling: 5 – 7%
- Medium/heavy machining and titanium alloys: 7–10%

For a good maintenance of the emulsion it is recommended to periodically measure the CBT with the **MINIKIT SLIDE** kit and to separate the lubricating oil that falls into the emulsion.

Always close the container of the product after taking the quantity necessary for the preparation of the emulsion.

It is not recommended to mix with other types of coolant emulsions.

% Emulsion = 1,45 x refractometric reading