



Lactuca LT 3000

Macro-emulsion for copper alloys and medium carbon steels machining.

DESCRIPTION

- **Lactuca LT 3000** is very easy to use
- Excellent cooling and lubricant power.
- Efficient protection of machined parts and machines against corrosion.
- Good mechanical performances, providing:
 - Reduced cutting efforts
 - Extended tool lifetime
 - Very good surface finish to parts.
- Properties in service:
 - Excellent stability over time increases drain intervals;
 - Cuttings have low rate of humidity;
 - Good anti-foaming properties.
- Resist to the development of bacteria and fungus, so is environmentally and operator friendly.
- Multifunctional

FEATURE > BENEFIT

Rapid Emulsification > Fast and effective mixing

High Alkalinity Reserve > High Service Life with improve Bio-Activity control

High Surface passivation > Reduced risk of in-process corrosion

Consistent Oil Droplet Distribution > Improved tool life and surface finish

Excellent Tramp-oil rejection > High service life and contamination resistance

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com

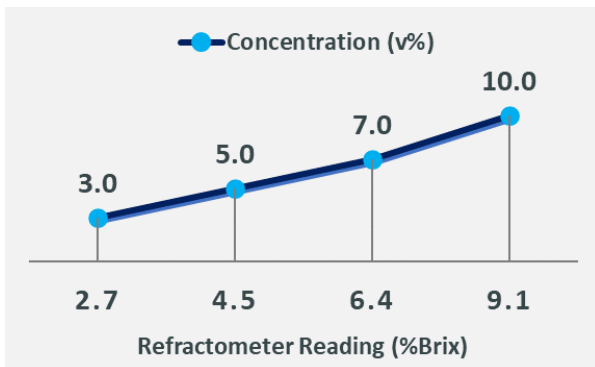
TYPICAL CHARACTERISTICS

Typical characteristics	Methods	Units	Lactuca LT 3000	
			Concentrate	Solution at 3 %
Density at 15 °C	ISO 3675	kg/m ³	890	
Kinematic viscosity at 40 °C	ISO 3104	mm ² /s	34	
pH	NF T 60 193			8.8
Refractometric factor				1.1

The characteristics shown in this table are typical values given for illustrative purposes.

CONCENTRATION RECOMMENDATION

Application	Minimum	Maximum
Machining	3 v%	7 v%



STORAGE AND HANDLING

- To ensure good conservation of the fluid's properties through time and thus increase its lifetime, we recommend:
 - Regular monitoring of the concentration of the bath with a refractometer. Do not forget to multiply the reading value by the refractometric factor.
 - Regular monitoring of the pH of the emulsion and the hardness of the water.
- TotalEnergies offers its clients a regular laboratory fluid analysis service: *ANAC Soluble*. Get in touch with your sales contact to obtain further information.
- Your sales and technical contacts are ready to provide you further information.

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