

LACTUCA LT 3000



Metalworking

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

APPLICATIONS

- **LACTUCA LT 3000** is specially designed for traditional machining of copper alloys and bar turning.
- **LACTUCA LT 3000** provides also full satisfaction for all operations on fine carbon steels.
- Recommended rate of use: from 3 to 7%.
- Protection of machined and non machined surfaces, mechanical parts that must be protected temporarily and for which the protective product must be easily eliminated.

SPECIFICATIONS

ISO 6743/7

- ISO-L MAA

ADVANTAGES

- **LACTUCA LT 3000** is very easy to use, simply by pouring it into good quality water.
- 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 mould very well,so is more environmentally and operator friendly.
- Very multifunctional.

HEALTH AND SAFETY

- Des not contain: formaldehyde liberators or boron.
- Is free of: chlorine, PTBB, nitrite, NPE and DEA.

TOTAL LUBRICANTS
Industry & Specialties
12-04-2011 (supersedes 23-11-2010)
LACTUCA LT 3000
1/2



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 adviser or down loaded from www.quick-fds.com.

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	

Above characteristics are mean values given as an information.

RECOMMENDATIONS FOR USE

- 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.
- Total offers its clients a regular laboratory fluid analysis service:
SOLUBLE CHECK.
Get in touch with your sales contact to obtain further information.
- Before using any fluid for the first time or before each change, we recommend cleaning the machine with a specific cleaning product:
CONTRAM CB 3.
- If punctual top-ups of Biocide are required, Total offers an efficient product:
EBOTEC BT 80.

Your sales and technical contacts are ready to provide you further information.