

LACTUCA MS 7000



Metalworking

Chlorine-free macro-emulsion for difficult machining processes.

UTILISATIONS

- **LACTUCA MS 7000** is specially designed for the lubrication of difficult and extremely difficult machining operations.
- **LACTUCA MS 7000** is intended for the machining of ferrous and non-ferrous metals: cast iron, hard steels, alloy steels, stainless steels, aluminium and alloys.
- Recommended proportions:
 - severe machining : 6 to 9%
 - very severe machining : 7 to 12%.

SPECIFICATIONS

ISO 6743/7

- ISO-L MAD

ADVANTAGES

- The excellent cooling properties and the inclusion of new generation extreme-pressure additives reduce cutting forces, thus extending tool life and improving the surface finish of machined parts.
- Very easy to use: simply pour **LACTUCA MS 7000** into good quality water.
- Excellent stability over time.
- Good corrosion protection of machined parts and machines.
- Non-foaming.

HANDLING OPERATIONS - HEALTH - SAFETY

- **LACTUCA MS 7000** has no particular smell and contains no phenols, nitrites, PTBB, chlorine or diethanolamine (DEA).
- **LACTUCA MS 7000** satisfies the German TRGS 611 legislation (technical rules governing the handling of hazardous substances).

TYPICAL CHARACTERISTICS	METHODS	UNITS	LACTUCA MS 7000	
			CONCENTRATE	5 % SOLUTION
Appearance	Visual		clear	opalescent
Density at 15°C	ISO 3675	kg/m ³	977	
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	50	
pH	NF T 60 193			9.0
Refractometric correction factor			1.1	

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités
25-01-2007 (supersedes 25-09-2002)
LACTUCA MS 7000
1/1



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. is obtainable via your commercial adviser www.quick-fds.com.