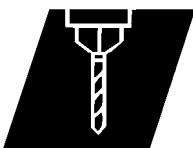


LACTUCA MS 9000



Metalworking



Multipurpose chlorine-free macro-emulsion.

UTILISATIONS

- **LACTUCA MS 9000** is recommended for average to very difficult machining and grinding on ferrous and non-ferrous metals.
- **LACTUCA MS 9000** has a high content of fatty ester. It is suitable for sawing, broaching, cold form tapping and deep-hole drilling.
- Recommended utilisation rate:
 - Grinding: 4 %
 - Little-severe machining : 5 to 7 %
 - Severe machining : 7 to 10 %, even >10 % for very severe machining.

SPECIFICATIONS

ISO 6743/7

- Code ISO-L MAB

ADVANTAGES

- Excellent performance due to the combination of antiwear/extreme-pressure agents.
- Excellent protection against corrosion of non-ferrous metals.
- Milky emulsion with considerable wetting power.
- Very easy application by pouring **LACTUCA MS 9000** into high-quality water.
- Excellent in-service stability.
- Good resistance to development of bacteria.

HEALTH AND SAFETY

- **LACTUCA MS 9000** is free from phenol, nitrite, PTBB, chlorine,di- and triethanolamine (DEA-TEA).
- **LACTUCA MS 9000** is free from any glycol ether.
- **LACTUCA MS 9000** complies with German TRGS611 (technical regulations controlling the treatment of hazardous products).

| TYPICAL CHARACTERISTICS | METHODS | UNITS | LACTUCA MS 9000 | |
|-----------------------------|--------------|--------------------|-----------------|-------------|
| | | | Concentrate | 5% Emulsion |
| Appearance | Visual | | Slightly turbid | |
| Colour | DIN ISO 2049 | | 0.5 | |
| Density at 15 °C | NF T 60172 | kg/ m ³ | 956 | |
| Kinematic viscosity at 40°C | NF T 60100 | mm ² /s | 74 | |
| pH | NF T 60 193 | | | 9.1 |
| Refractometric factor | | | | 1.0 |

Les valeurs des caractéristiques figurant dans ce tableau sont des valeurs typiques données à titre indicatif.

TOTAL LUBRIFIANTS

Industrie & Spécialités

04-05-2006 (supersedes 26-09-2005)

LACTUCA MS 9000

1/1



Ce lubrifiant utilisé selon nos recommandations et pour l'application pour laquelle il est prévu ne présente pas de risque particulier.
Une fiche de données de sécurité conforme à la législation en vigueur dans la C.E. est disponible sur www.quick-fds.com et auprès de votre conseiller commercial.