

VULSOL MSF 7200



Metalworking



Synthetic cutting fluid for machining and grinding a wide range of metals.

UTILISATIONS

- **VULSOL MSF 7200** is recommended for machining and grinding steel and its alloys as well as non ferrous metals.
- **VULSOL MSF 7200** is also designed for machining plastic materials as well as for machining and polishing special optical lenses.
- Recommended rates of use:
 - grinding: 3 - 4%
 - machining: 4 - 7%

SPECIFICATIONS

ISO 6743/7

- ISO-L MAH

ADVANTAGES

- **VULSOL MSF 7200** 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.
- Very good separation of tramp oils and settling of sludges.
- Very good detergent power.

HEALTH AND SAFETY

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

TOTAL LUBRICANTS
12-04-2011 (supersedes 03-10-2007)
VULSOL MSF 7200
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	VULSOL MSF 7200	
			CONCENTRATE	SOLUTION AT 5%
Density at 15°C	ISO 3675	kg/m ³	1122	
Viscosity at 40°C	ISO 3104	mm ² /s	83	
pH	NF T 60 193			9.2
Refractometric factor			1.0	

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.