SPIRIT MS 3000





Multipurpose chlorine-free micro-emulsion.

UTILISATIONS

- SPIRIT MS 3000 is recommended for the machining of cast iron and low carbon steel.
- SPIRIT MS 3000 gives very good results in plane, cylindrical or centerless grinding.
- Recommended proportions:
 - grinding: 3 %
 - machining: 4 to 7 %.

SPECIFICATIONS

ISO-L MAE

ADVANTAGES

- SPIRIT MS 3000 make with water a stable opalescent micro emulsion.
- SPIRIT MS 3000 has been designed to guarantee:
 - good corrosion protection for machined parts and machines,
 - non-foaming,
 - good resistance to bacterial growth.
- SPIRIT MS 3000 have an excellent wetting and cooling capability.
- Very easy to use: simply pour **SPIRIT MS 3000** into good quality water.

HANDLING OPERATIONS - HEALTH - SAFETY

- **SPIRIT MS 3000** has no particular smell and contain no phenol, nitrite, chlorine, diethanolamine (DEA) glycol ether.
- **SPIRIT MS 3000** satisfies the German TRGS 611 legislation (technical rules governing the handling of hazardous substances).

TYPICAL CHARACTERISTICS	METHODS	UNITS	SPIRIT MS 3000	
			CONCENTRATE	5 % SOLUTION
Appearance	Visual		clear	
Color	ISO 2049		1.5	
Density at 15°C	ISO 3675	kg/m ³ mm ² /s	1029	
Kinematic viscosity at 40°C	ISO 3104	mm²/s	7.8	
Appearance	Visual			Opalescent
pH	NF T 60 193			9.3
Refractometric correction factor			2.1	

Above characteristics are mean values given as an information.

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