SPIRIT MS 5000





Multipurpose chlorine-free micro-emulsion.

UTILISATIONS

- SPIRIT MS 5000 is recommended in workshops handling many different machining operations and materials.
- Particularly suitable for difficult machining processes.
- Machining ferrous and non-ferrous metals.
- SPIRIT MS 5000 gives very good results in plane, cylindrical or centerless grinding.
- Recommended proportions:
 - grinding: 4%
 - moderate machining: 5 to 7%severe machining: 6 to 9%.

SPECIFICATIONS

ISO 6743/7

● ISO-L MAE

ADVANTAGES

- Very wide range of applications.
- Excellent wetting and cooling capability
- Very easy to use: simply pour **SPIRIT MS 5000** into good quality water.
- Excellent stability over time increases drain intervals.
- Good corrosion protection for machined parts and machines.
- Non-foaming.
- Good resistance to bacterial growth.

HANDLING OPERATIONS - HEALTH - SAFETY

- SPIRIT MS 5000 has no particular smell and contains no phenols, nitrites, PTBB, chlorine, diethanolamine (DEA) monoethanolamine (MEA) triethanolamine (TEA).
- SPIRIT MS 5000 satisfies the German TRGS 611 legislation (technical rules governing the handling of hazardous substances).

TYPICAL CHARACTERISTICS	METHODS	UNITS	SPIRIT MS 5000	
			CONCENTRATE	5 % SOLUTION
Appearance	Visual		clear	
Density at 15°C	ISO 3675	kg/m³	990	
Kinematic viscosity at 40°C	ISO 3104	mm²/s	126	
Appearance	Visual			Opalescent
pH	NF T 60 193			9.2
Refractometric correction factor			1.25	

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS Industrie & Spécialités

25 september 2002 (supersedes 22 july 2002) SPIRIT MS 5000



