

SPIRIT ASI 7000



Metalworking

Chlorine-free micro-emulsion.

UTILISATIONS

- **SPIRIT ASI 7000** is intended for difficult machining operations on structural and hard steels.
- **SPIRIT ASI 7000** gives excellent cutting performance on high-silicon aluminium alloys.
- Recommended proportions:
 - grinding : 4%
 - moderate machining : 5 to 7%
 - severe machining : 6 to 9%.

SPECIFICATIONS

ISO 6743/7

- ISO-L MAF

ADVANTAGES

- The lubrication qualities are such as to reduce cutting forces, thus extending tool life and improving the surface finish of the machined parts.
- Very easy to use: simply pour **SPIRIT ASI 7000** into good quality water.
- Excellent stability over time.
- Good corrosion protection for machined parts and machines.
- Non-foaming.
- Good resistance to bacterial growth.

HANDLING OPERATIONS - HEALTH - SAFETY

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

TYPICAL CHARACTERISTICS	METHODS	UNITS	SPIRIT ASI 7000	
			CONCENTRATE	5 % SOLUTION
Appearance	Visual		clear	Fine emulsion
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			8.4
Refractometric correction factor			1.15	

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités
19-10-2007 (supersedes 04-01-2005)
SPIRIT ASI 7000
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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.