





Metalworking

Fluids for spark erosion metal working. Can be used on all existing machines.

UTILISATIONS

- DIEL MS 5000 is the one generally used for both rough machining and finishing.
- DIEL MS 5000 fluid is recommended by many spark erosion equipment manufacturers as AGIE, CHARMILLES, KRUPP-NASSOVIA.

ADVANTAGES

- **DIEL MS 5000** is very fluid petroleum product whose very narrow distillation range is particularly suitable for spark erosion work.
- DIEL MS 5000 is readily biodegradable according to OECD 306.
- Very low volatility.
- High flash point.
- Excellent resistance to oxidation.
- Absence of toxic elements.

TYPICAL CHARACTERISTICS	METHODS	UNITS	DIEL MS 5000
Colour	ASTM D 1500	-	pale yellow
Specific gravity at 15 °C	ASTM D 1298	kg/m³	843
Kinematic viscosity at 20°C	ASTM D 445	mm²/s (cSt)	6.5
Kinematic viscosity at 40°C	ASTM D 445	mm²/s (cSt)	3.9
Flash point O.C.	ASTM D 92	°C	> 130
Ash		%	0
ASTM distillation : IBP			260
ASTM distillation : 90%			302

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS Industrie & Spécialités 23-03-2021 (supersedes 16-05-2008) DIEL MS 5000 1/1



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. is obtainable via your commercial adviser <u>www.quick-fds.com</u>.