



Product Information:
SUPERGRIND MP
SYNTHETIC WATER MISCIBLE GRINDING FLUID

Description

Supergrind MP is a fully synthetic water mix grinding fluid offering extended sump life, and formulated for applications involving high removal rates of ferrous and non-ferrous materials. Due to its unique formulation, this product combines properties which ensure extremely good flushing performance coupled with low foaming characteristics that allow the fluid to stay clear and clean.

Supergrind MP grinding fluid is nitrite, mineral oil, sulphur, chlorine and phenol free, and having excellent resistance to attack by moulds and bacteria, resulting in extended odour free sump life.

Features

- Multi-metal performance
- Extended sump life
- Low foaming
- Mineral oil free
- Rapid release of fines
- High corrosion inhibition
- For applications requiring high stock removal
- Resistant to bacterial degradation

Applications

Operations: Cylindrical grinding, centreless grinding, surface grinding.
 Materials: Ferrous and non-ferrous, tool steels, engineering and ceramics.

As a flood coolant, Supergrind MP forms a bright, clear, colourless solution at between 2-4% by volume depending on the severity of the operation.

Physical Characteristics

Appearance (neat)	Colourless liquid
Relative Density @ 15.6°C	1.072
Emulsion Appearance (3%in 200ppm water)	Transparent colourless liquid
pH @ 25°C (3% aqueous)	9.30
IP 287 Rust Prevention Characteristics (200ppm water)	3% (33:1)
Foaming Tendency (3% in 200ppm water)	< 20 secs collapse time

Figures based on average production values

Concentration/%	1	2	3	4	5	6	7	8	9	10
Brix-%	0.5	0.7	1.1	1.3	1.5	1.8	2.0	2.3	2.5	2.8

Part No.S: SMP025, SMP205

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