

Product Information:
SUPERGRIND PLUS
HIGH PERFORMANCE SYNTHETIC WATER MISCIBLE GRINDING FLUID



Description

Supergrind Plus is a fully synthetic grinding fluid offering exceptional performance and extended sump life in most grinding operations. It is formulated using the latest technology and offers excellent corrosion protection, stable solutions, low foaming tendency, excellent fines separation and resistance to degradation by bacteria or fungi. The synthetic formulation also alleviates “wheel glazing” problems often associated with products containing mineral oil.

Supergrind Plus is suitable for use on ferrous and most non-ferrous alloys. It is free from mineral oil, phenols, nitrites, sulphur and chlorinated additives and formaldehyde release biocides. When diluted with water, Supergrind Plus forms a stable fluorescent green transparent solution that allows operators good visibility of the workpiece.

Features

- High corrosion protection
- Ultra-fine surface finish
- Low foam
- Reduces wheel glazing
- Good operator visibility
- Rapid release of fines
- Resistant to bacterial degradation
- Extended sump life
- Free from formaldehyde release biocides

Areas of Application

Supergrind Plus is recommended for all grinding applications where a synthetic grinding fluid is desirable or recommended. It is particularly suited to those systems where foaming, fines separation and wheel glazing problems have been experienced with other formulae. Supergrind Plus is particularly suitable for achieving very fine surface finishes (micro inch finishes).

The typical dilution is 2.0% - 4.0% dependent upon applications.

Note: Always use Supergrind CG for carbide grinding applications.

Physical Characteristics

Appearance (neat)	Orange/Green liquid
Relative Density @ 15.6°C	1.081
Emulsion Appearance (3%in 100ppm water)	Transparent fluorescent green liquid
pH @ 25°C (3% aqueous)	9.80
IP 287 Rust Prevention Characteristics (200ppm water)	1.7% (60:1)
Foaming Tendency (3% in 100ppm water)	< 20 secs collapse time

Figures based on average production values

Refractometer concentration conversion

Concentration %vol	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0
Refractometer %brix	0.5	0.9	1.3	1.6	1.9	2.3	3.0	3.7

Part No.s: SPL025, SPL205

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