



GRINDING FLUID 3333

INDUSTRIAL GRINDING FLUID

Description

Grinding Fluid 3333 is a general purpose grinding fluid possessing excellent properties with respect to swarf settling.

The product does not hold metal fines in solution, allowing them to settle out and improve filtering and recirculation systems.

Grinding Fluid 3333 is a 100 % synthetic formulation containing no oil. The oil-free nature of this product assures no "loading" of grinding wheels. This assures efficient grinding takes place rather than polishing of the metal surface.

A completely biodegradable material, the disposal of Grinding Fluid 3333 is not an issue. The product contains a tri-phase corrosion inhibitor package assuring no rust formation, and Grinding Fluid 3333 has best in class bacteria and fungus resistance.

Features & Benefits

- Excellent swarf settling properties
- No defatting of skin (doesn't cause dermatitis)
- Will not cause rust on machines
- No "gummy" buildup on machines
- Best in class resistance to bacteria growth
- Non foaming chemistries
- Oil-free chemistry will not load up grinding wheels

Health & Safety

See the most recent MSDS which is available directly from Precision Fluids, your local salesman, or authorized distributor. Precision Fluids uses only raw materials not listed as carcinogenic by IRAC.

Physical Data

Appearance:	Clear Amber
Diluted Appearance:	Clear amber
Solubility	Water
Odor:	Mild Industrial
Specific Gravity:	1.03
Concentrate pH:	9.4
pH, 5 % dilution:	9.0
Freeze/Thaw Cycles:	Passed 3x

Application & Usage

Precision Fluids recommends using our Super Green cleaner before adding Grinding Fluid 3333 to a machine.

The recommended concentration for Grinding Fluid 3333 is 3%-5% for surface grinding and 5%-10% for more severe operations. However, results for any operation can only be determined through testing.

Maintaining the coolant at its optimum concentration is achieved through daily refractive index checking.

No special precautions are necessary with respect to seals or valves.

Refractive Index Monitoring (3.6X multiplier)

Percent	Ratio	Refractometer Reading
3	32 to 1	0.8
5	19 to 1	1.4
10	9 to 1	2.8
15	6 to 1	4.2

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