

POWEROIL SYNTH GLASSGRIND 100

POWEROIL SYNTH GLASSGRIND 100 is an oil free, grinding fluid concentrate containing wetting agents for superior cooling and corrosion inhibitors for in-process rust protection of machine tools and metal parts. When diluted for use, GlassGrind 100 provides a stable, effective medium for abrasive working of glass and all vitreous materials. GlassGrind 100 contains a polymer which causes fines to agglomerate and settle rapidly rather than recirculate through the grinding zone. This polymer causes the fines to settle in a soft, easily removed slurry.

CHARACTERISTICS	POWEROIL SYNTH GLASSGRIND 100
Appearance-Concentrate	Clear Amber liquid
Appearance- Dilution	Transparent Amber
Residual Film	Soft, Soluble
pH @ 20:1	8.7 ± 0.3
Density @ 29.5 °C, gm/cc	0.99 – 1.02
Flash Point, PMCC Deg C	None

The above properties are typical values and do not constitute specification of the product

APPLICATION:

- Poweroil Synth GlassGrind 100 can be used for sawing, drilling, edging, beveling, scratch removal and other abrasive working of glass, plastic, quartz, silica, heat resistant glasses and ceramics. GlassGrind 100 is compatible with diamond and all other abrasives.

RECOMMENED CONCENTRATION			
Application	Concentration %	Ratio	Refractometer (Brix)
Flat Glass & Mirror	2 - 3	1:50 – 1:33	0.3 – 0.5
Centerless, ID, OD, Surface Grinding	4	1:25	2.8
Tapping, Sawing, Reaming	7	1:14	4.8

MIXING INSTRUCTIONS :

When mixing coolant, it is best to use an automatic proportioner which accurately and thoroughly mixes coolant. To maintain recommended concentration, make-up or top-off should be added at one-half of the desired concentration.

Concentration, %	2%	3%	4%	5%
Ratio	1:50	1:33	1:25	1:20
Refractometer(+/-0.2)	0.3	0.5	0.6	0.8

Refractometer factor : 6.00 – 6.66 (Factor x Refractometer reading = Actual concentration)

PERFORMANCE BENEFITS:

- Excellent Cooling Function
- Mild Pleasant Odor
- Excellent Corrosion Inhibition
- Long Sump Life
- Allows Soft Settling of swarf
- Economical
- Oil Free - Minimal Disposal Costs
- Non-Foaming