



Formulations For Today's
Technical Manufacturing Needs

An ISO 9001:2000 Certified Company

GLASGRIND 100

General Description

GLASGRIND 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, GLASGRIND 100 provides a stable, effective medium for abrasive working of glass and all vitreous materials. **GLASGRIND 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.

Application

GLASGRIND 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. **GLASGRIND 100** is compatible with diamond and all other abrasives.

Advantages

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

Recommended Concentrations

Application	Concentration, %	Ratio	Refractometer
Flat Glass and Mirror	2% - 3%	1:50 – 1:33	0.3 – 0.5

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	0.3	0.5	0.6	0.8

Typical Properties

Appearance-Concentrate	Clear Amber liquid
Appearance- Dilution	Transparent Amber
Residual Film	Soft, soluble
pH @ 20:1	8.7 ± 0.3
Specific Gravity @ 60°F	1.04 ± 0.03
Lbs/Gallon	8.6 ± 0.1
Flash point, PMCC °F	None

GLASGRIND 100 is available in 5 gallon pails, 55 gallon drums and 275 gallon IBCs. Material Safety Data Sheets are available for all products. All reasonable care has been taken to ensure that the above information is accurate as of the date of printing.

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