



COMPLETE METALWORKING SOLUTIONS

(800) 991-4225

www.ahbinc.com

ISO Certified

customerservice@ahbinc.com



GRINDZAL

Pure Synthetic Segmented Grinding Fluid

Product description

Grindzal is a pure synthetic grinding fluid. It is designed to provide excellent characteristics for grinding of all ferrous metals. It is not compatible for use on magnesium. Grindzal's chemistry is based on a unique blend of high-quality additives that enable this fluid to provide excellent grinding performance. Grindzal was designed to be extremely low foaming and provide superior rust protection at ratios between 15-1 and 30-1. Grindzal runs clean, lasts long, and will not create an abundance of buildup requiring excessive maintenance when used at the proper dilution ratio.

Product Application

This product is designed for segmented grinding operations.

Features, and benefits

Use on all ferrous metals.

Non-toxic; non-flammable liquid.

Extremely low foaming.

Does not contain nitrites, chromates, phosphates. Oil-rejecting.

Excellent wheel life.

Excellent corrosion protection.

Hard water stable.

Physical and chemical properties

Appearance: light almond color liquid

pH: 8 – 8.6

Specific gravity: 1.0 kg/l

Recommended Concentration

Coolant percentage	Refractive index	Dilution Ratio
7 ½ %	4.0	15-1
5%	2.0	20-1
2 ½ %	1	30-1

Use directions

- It is always important that when working with a water-based coolant, to realize that the water evaporates rapidly. When this happens, you will need to replace the evaporated water /coolant mix. By increasing the water amount, you will be able to keep a consistent mix ratio. For instance, if you are using the coolant at a 10:1 ratio, your makeup ratio should be 15:1 to replace the water lost from evaporation. This is a general rule of thumb on this. It is recommended you use a refractometer to better keep control of your metalworking fluids.
- **Always pre-mix coolant** before adding it to the machine
- If mixing by hand, always **add the coolant concentrate to water**, then agitate.
- Use of some type of proportioner is recommended

Safety and handling

Refer to Safety Data Sheet for additional information on this product.