

WALTER VALENITE VALCOOL® VP700

Semi-Synthetic/Micro-Emulsion Metalworking Fluid

VP700 is a semi-synthetic micro-emulsion that will machine cast iron, nodular iron, and steel as well as other non-ferrous metals. VP700 works well in most metal removal operations and is designed for moderate to difficult machining.

KEY PRODUCT BENEFITS

- Excellent bio-resistance
- Extremely stable micro-emulsion for superior wetting ability
- Excellent corrosion properties, including vapor phase inhibition
- Improved tool life and wheel life
- Mild, non-offensive odor
- Operator friendly product
- Chlorine FREE

SPECIALIZED LUBRICATION FUNCTION

VP700 has a special group of selective extreme pressure ingredients that work in synergy to improve the film boundary characteristics, chip carrying capabilities, and heat dissipation. Properly balanced wetting agents allow penetration of the lubricant directly into the cutting zone to reduce friction and cool the part/tool.

CORROSION PROTECTION

VP700 incorporates not only the more familiar water based fluid corrosion protection technology, but also exhibits vapor phase inhibition properties.

LABORATORY INFORMATION

Appearance, Neat	Light Amber
Appearance, 5% Dilution	Clear Light Amber
Specific Gravity	1.015 +/- .02
Pounds per Gallon	8.4 lbs.
pH, 5% Dilution	9.4 +/- .2
Nitrites	None
Chromates	None
Mercury Compounds	None

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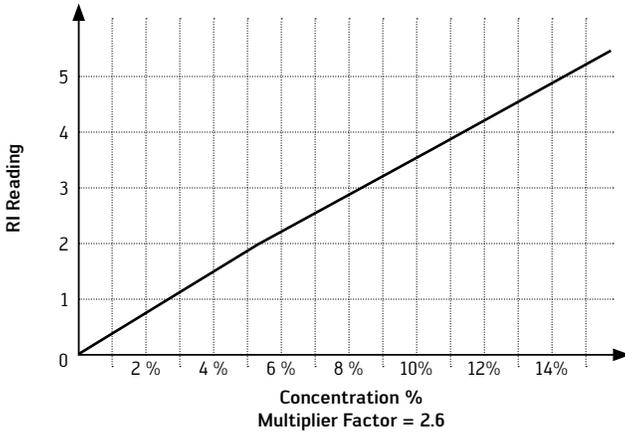
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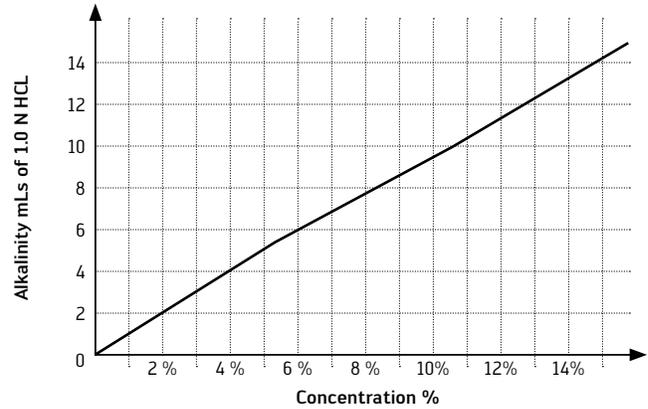
_ MONITORING CONCENTRATION

VP700 has been quality control tested at a water hardness of 1500 ppm, roughly three times the naturally occurring maximum. Although it works best in 5% to 8% concentrations, it can be used in concentrations and temperatures that are applicable for specific machining operations.

Refractive Index Concentration



Alkalinity Concentration



In order to maintain a bacteria free environment, thoroughly clean all areas of the coolant system before charging it with new coolant.

INSTRUCTIONS FOR USE

1. Determine the system size
2. Multiply the total system size by the recommended % of VP700
3. Slowly add the recommended amount of VP700 to the water and mix well
4. Always add VP700 to water, never in reverse order

Available Quantities:

5 gallon pails, 55 gallon drums, 220 gallon disposable totes, 275 gallon bins, bulk tanker

For more safety information visit: www.osha.gov/SLTC/metalworkingfluids/metalworkingfluids_manual.html

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