

Also served in 55-gallon drums.



Introducing the clearest, coldest, most refreshing stimulus to your workday since the liquid lunch.

And it doesn't even contain alcohol.

It's Liquid-Ice® coolant, a completely water soluble replacement for all metal cutting fluids. Even while cutting temperatures are heating up, your cutting tools and machine remain cool. Which results in increased tool life.

In addition to being alcohol and solvent free, Liquid-Ice®

coolants are non hazardous, leave no sticky residues, no strong smells, no harmful fumes, and are easy to maintain.

And because it's low foaming, and clear in appearance during application, it allows for greater visibility while monitoring your machining operations.

Liquid-Ice® coolant is made in the USA by Liquid Ice Corporation and distributed by Machine Tool Dealers. Contact us for the name of the dealer nearest you.

Call 1-800-472-5568 for a free "round" on us.  
Sorry, olive not included.



The clear choice in metal-cutting fluids.



500-C Union West Boulevard, Union West Business Park  
 Matthews, North Carolina 28104  
 Phone 704-882-3505 Fax 704-882-8665

[www.liquidicecoolant.com](http://www.liquidicecoolant.com)

**LIQUID-ICE® HP MACHINING COOLANT AND LUBRICANT**

**LIQUID-ICE® HP** is an alternative to oil-based or semi-synthetic coolants. This fully water-soluble coolant has superb cooling properties and a high grade of lubricity. **LIQUID-ICE® HP** has been formulated to provide clear, clean chip flow, with no stickiness on machinery, parts or cutting chips. The corrosion inhibitors provide the optimum in tarnish and corrosion prevention on all ferrous and non-ferrous metals. **LIQUID-ICE® HP** has been engineered to be environmentally responsible and safe to operators. It does not create mists, vapors or odors.

- Best Anti-Foaming Characteristics in the Industry, even under 1000 PSI high pressure applications.
- Increased Cooling Capability resulting in better process control and Tool Life\*.
- HP is Clean and non-sticky eliminating the need of washing machined parts before painting, welding or heat treating.
- Long sump life and easy to maintain.
- Excellent Corrosion Protection without the need of expensive tank side additives.
- Environmentally friendly, does not create mists in the air.
- Extremely Safe for Operators and Machinery, no solvents or dyes.
- Crystal Clear in appearance allowing excellent visibility of the machining process

**Applications:** All machining applications involving ferrous and non-ferrous metals.

**Application Data:** **LIQUID-ICE® HP** should be flooding the surface of the cutting tool and material to be machined at all times.

**Recommended Dilution Rates:** Concentrations for Ferrous or Non Ferrous metals (aluminum, brass, steel or stainless) ranging from 5% - 12% (19:1 – 7:1) \*each situation will vary depending upon the specific water-hardness, type of machining and specific application.

<u>Percentage</u>	<u>Dilution Ratio</u>	<u>Refractometer</u>
5%	19:1	1.6
6%	14:1	2.0
8%	11:1	2.6
10%	9:1	3.2
12%	7:1	3.8

It is recommended to initially charge the system at 10%, to establish a baseline performance.



**Environmental Data:** **LIQUID-ICE® HP's** ingredients are highly biodegradable according to EPA, DIN, ASTM, or standard methods, are harmless to the environment, and contain no hazardous or toxic materials.