Stuck with a metal cutting fluid from another era?

Liquid Ice® coolants are environmentally responsible, highly biodegradable coolants that are alcohol and solvent free. They’re water-soluble, non-hazardous, and leave no sticky residues or harmful fumes.

Liquid Ice® coolants are low foaming and clear in appearance, so they allow for greater visibility while you monitor your machining operations.

With Liquid Ice® coolants’ ease of maintenance and proper usage, it can last much longer in your machine sumps than oil based coolants.

It’s no mammoth decision. Add Liquid Ice® coolants for your metal cutting needs.

And welcome to the New Ice Age.

The new Ice Age has arrived.

1-800-472-5568
www.liquidicecoolant.com

The clear choice in metal-cutting fluids.
LIQUID ICE® VP is an alternative to oil-based or semi-synthetic coolants. This fully water soluble coolant has superb cooling properties and very good lubricity. LIQUID ICE® VP has been engineered to be environmentally responsible and safe to operators. It does not create mists, vapors or odors.

- Excellent Anti-Foaming Characteristics, even under 1000 PSI high pressure applications.
- Increased Cooling Capability resulting in better Tool Life.
- VP is Clean and non-sticky eliminating the need of washing machined parts before painting, welding or heat treating.
- Long sump life thanks to state of the art biocide that, with good housekeeping, helps prevents bacteria and odors.
- Long lasting Corrosion Protection without the need of expensive tank side additives.
- Environmentally Friendly, and does not create mists in the air.
- Extremely Safe for Operators and Machinery, no solvents or dyes.
- Clear in appearance allowing full visibility of the machining process
- Value Priced to fit your budget

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

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

Recommended Dilution Rates: Applications for Ferrous or Non Ferrous metals (aluminum, brass, steel or stainless) at 5% - 12% concentration or (19:1 – 7:1)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Dilution Ratio</th>
<th>Refractometer</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>19:1</td>
<td>1.2</td>
</tr>
<tr>
<td>6%</td>
<td>14:1</td>
<td>1.6</td>
</tr>
<tr>
<td>8%</td>
<td>11:1</td>
<td>2.0</td>
</tr>
<tr>
<td>10%</td>
<td>9:1</td>
<td>2.4</td>
</tr>
<tr>
<td>12%</td>
<td>7:1</td>
<td>3.2</td>
</tr>
</tbody>
</table>

It is recommended to initially charge the system at 10%, then gradually dilute with make up coolant once a baseline performance has been established. Each situation will vary depending upon the specific water-hardness, type of machining and application.

© Environmental Data: LIQUID-ICE® VP’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.