Mau-Sherwood Supply Company

Tech Line *December 2006*

Why Mixing Matters

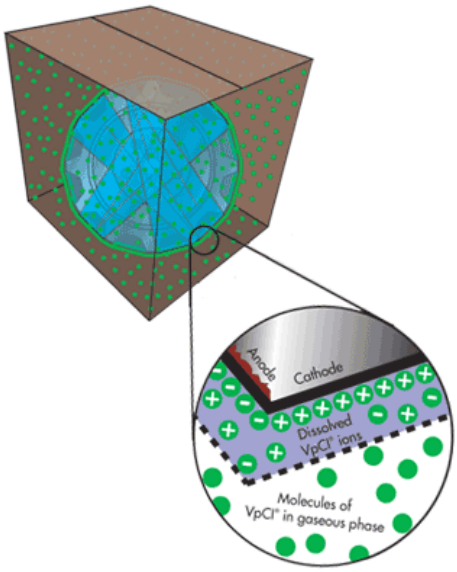
It is estimated the number one failure mechanism for metalworking fluids is concentration. Improperly mixed fluids and the wrong concentrations can lead to the formation of residues, shortened sump life, poor cutting, grinding and cooling properties. These issues can often be resolved with the use of AUTOMATIC PROPORTIONING EQUIPMENT. These units are designed to deliver accurate and properly mixed fluid every time.

Emulsion coolants (soluble oil) must be mixed by adding the concentrate to the water while stirring. Adding the water to the coolant will normally cause the formation of an invert emulsion. This Can greatly reduce the fluids effectivness.

Concentration can be checked quickly with a hand held refractometer.

Ask your supplier for the products refractive index, the number used to multiply by the refractometer reading, this gives you the concentration. (every product has a refractive index)

In manufacturing summer is often identified as the rust season. Today's technology can eliminate those rust seasons, with the use of VpCI. Vapor phase corrosion inhibitors from Cortec Corporation. VpCI provide multimetal protection with corrosion inhibiting vapors that condense onto the surface of your products and form a thin, uniform, and extremely effective corrosion inhibiting layer. This barrier is self-replenishing, providing continuous protection, even if the package is repeatedly opened and closed. Your parts are ready for immediate use, no cleaning or degreasing is required.



If you currently use a VCI product check to ensure that it has a true vapor phase, otherwise it will only provide contact protection.

Ask your Mau-Sherwood sales representative for additional information or pricing on any of the mentioned products.

e-mail: sales@mausherwood.com phone (330) 405-1200