

## OPTISHIELD® “Plus” CORROSION INHIBITOR

OPTISHIELD® “Plus” Corrosion inhibitor provides the same corrosion protection as our OPTISHIELD “Original” formula with an added component to provide additional control/protection. It has been specifically formulated to control corrosion in systems circulating water to industrial machines such as lasers, welders, machine tools and other process equipment.

OPTISHIELD® “Plus” corrosion inhibitor is exceptionally effective where copper, aluminum, tin, ferrous metals, lead, brass and other yellow metals are included in a **CLOSED CIRCUIT** water heating/cooling system. OPTISHIELD® “Plus” prevents galvanic action from occurring between any of these dissimilar metals, as well as prevents oxidation of the ferrous metals in the system.

OPTISHIELD® “Plus” is of moderate toxicity and normally used in concentrations of 9 parts fluid to 1 part corrosion inhibitor.

OPTISHIELD® “Plus” Recommended shelf life (mixed or concentrate)-fluid can be stored for a period of 15 months from package date when stored in accordance with Opti Temp’s storage guidelines.

The photograph below shows fittings immersed in both water treated with OPTISHIELD® “Plus” and fittings immersed in untreated water.

UNTREATED WATER



TREATED WATER



### CHARACTERISTICS:

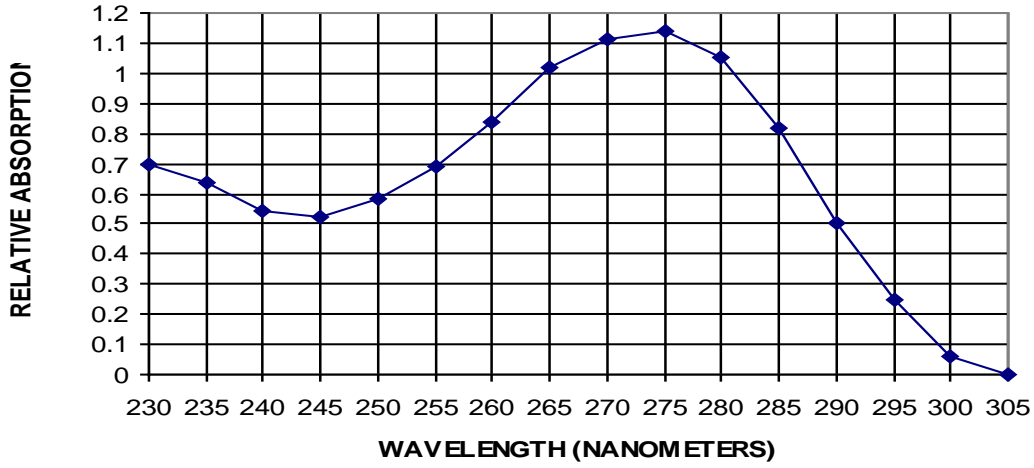
- CONDUCTIVITY: SEE BELOW
- SOLUBILITY: 100% SOLUBLE IN WATER
- BUFFERED pH: 9 to 10.5
- COLOR: CLEAR to SLIGHTLY YELLOW IN COLOR
- OPTISHIELD® “Plus” has a health code rating of 2 on a scale of 0 to 4 (0=insignificant; 1=slight; 2=moderate; 3=high; 4=extreme).
- OPTISHIELD® “Plus” is NOT considered a hazardous chemical for shipping by the DOT and is not a regulated chemical.

### EXPORT INFORMATION:

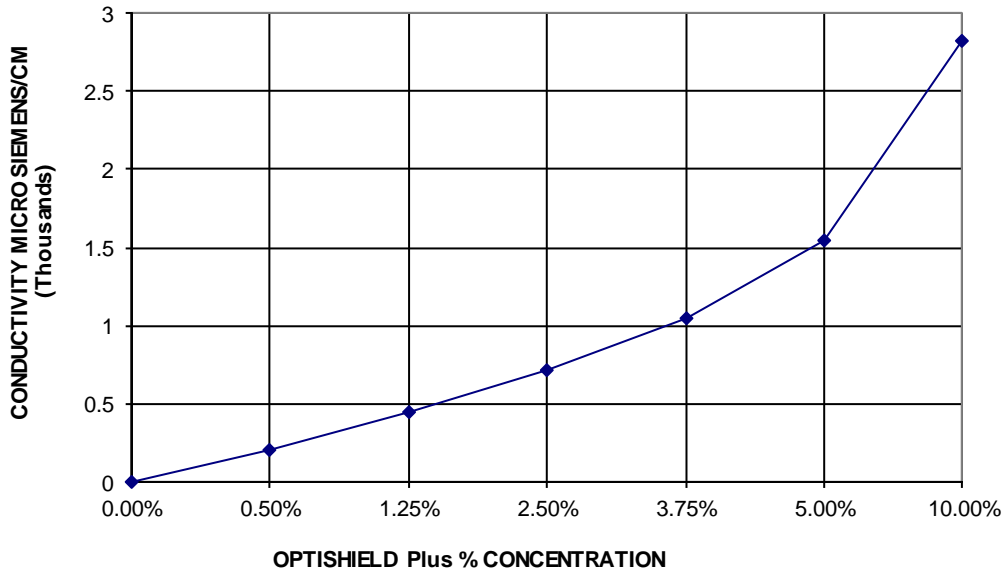
SCHEDULE B (HARMONIZATION CODE) DESCRIPTION: OTHER CHEMICAL MIXTURES  
 SCHEDULE B CODE: 3824.99.3900  
 CAS NO. : SEE SDS  
 ECCN NO: EAR99 NLR

SEE BELOW FOR ABSORPTION AND CONDUCTIVITY INFORMATION.

**RELATIVE ABSORPTION CURVE**  
**OPTISHIELD CONCENTRATION = 10%**



**OPTISHIELD CONDUCTIVITY**  
**MICRO SIEMENS/CM**



NOTE - THE ABOVE CONDUCTIVITY IS BASED ON ADDING OPTISHIELD® Plus to RO water.

Please visit [www.Optishield.net](http://www.Optishield.net) for more information.