

Premix OPTISHIELD®
10% OptiShield, 60% RO Water, 30% Propylene Glycol, 400335

Premix OPTISHIELD® is a premix containing 10% OptiShield, 60% RO water, and 30% Propylene Glycol. The glycol is for burst protection (-10°F +/-2°F), and the OptiShield for corrosion protection.

There are two basic types of protection: “burst protection” and “freeze protection.”

1- Burst protection is sufficient if the system will remain dormant when the temperature is below the freezing point of the solution. Burst protection is considered an appropriate safeguard in systems where there is adequate space to accommodate the expansion of an ice/slush mixture *and* the system is inactive during the winter.

2- Freeze protection is required in systems where fluid must be pumped at the lowest anticipated temperature. Freeze protection is essential in cases where no ice crystals can be permitted to form or where there is inadequate expansion volume available to accommodate ice/slush formation.

Premix OPTISHIELD® corrosion inhibitor has been specifically formulated to control corrosion in systems circulating water to industrial machines such as lasers, welders, machine tools and other process equipment. It offers an alternative to mixing solutions on site particularly when the locally available water is of low quality or suspected of contamination.

Premix OPTISHIELD® 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.

Premix OPTISHIELD® prevents galvanic action from occurring between any dissimilar metals, as well as prevents oxidation of the ferrous metals in the system.

CHARACTERISTICS:

- ☐ SOLUBILITY: 100% SOLUBLE IN WATER
- ☐ pH: 10 to 10.5
- ☐ COLOR: CLEAR to SLIGHTLY YELLOW IN COLOR
- ☐ OPTISHIELD® 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® 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: 3824909270
CAS NO. : SEE SDS
ECCN NO: EAR99 NLR

Please visit www.Optishield.net for more information