



1375-B Ernest-Harnois

Joliette, QC J6E 0L7

Tel: 450-867-1825 Fax: 450-756-2212 www.dis-solution.com

TECHNICAL INFORMATION BULLETIN

PRODUCT: WM 9310 PHOSFREE

DESCRIPTION:

WM 9310 PHOSFREE is a new generation, phosphorous free, all organic closed system corrosion inhibitor. **PHOSFREE** is supplied as a concentrated liquid for ease of feed and control. **PHOSFREE** is a blend of organic corrosion inhibitors formulated to provide protection in systems with ferrous and yellow metals. **PHOSFREE** incorporates advanced new proprietary technology based on amine neutralized organic acids which provide corrosion protection levels superior to older phosphorous based "organics". Protection is at least equal to any Molybdate or Nitrite based material. **PHOSFREE** has evolved specifically to meet today's and tomorrow's needs for chemistries which generate minimal environmental impact and comply with green building standards. **PHOSFREE** functions by establishing a passive bonded film over wetted metal surfaces. The protective coating is monomolecular in nature and does not impede heat transfer or alter flow characteristics.

SPECIFICATIONS:

Specific Gravity: 1.04-1.05
Colour: Light Orange Liquid
pH (Conc): 13.0-13.5
pH (0.5%): 9.0-10.0
Odour:..... Faint Amine
R.I. : 18-20

APPLICATION AND CONTROL:

WM 9310 PHOSFREE is a complete inhibitor package formulated for direct addition to closed loop heating and chilled water systems. **PHOSFREE** may be added using a bypass pot-feeder, chemical injection pump, or essentially any convenient means. The normal feed rate for **PHOSFREE** is 5000 ppm v/v based on system capacity, or practically 1 L/200 L of system capacity. Best results using **PHOSFREE** will be achieved in new or clean well-maintained systems. Prior to treating badly fouled systems, chemical cleaning using a compatible DIS Solution inc. cleaner is recommended. Please consult with your service representative before initiating treatment and/or for specific cleaning recommendations. **PHOSFREE** as formulated is not intended for use in systems with aluminum heat exchangers. However, in many systems adjustments can be made to accommodate aluminum equipment. If you are planning changes or additions to your system that would incorporate aluminum, please discuss the chemistry changes required with DIS Solution inc. technical services or your service provider. Test by Potassium Test Kit #3138-01.

PACKAGING:

20 Kg Pails
60 Kg Carboys
210 Kg Drums
4x4 Kg Poly Jugs (Case)

PRECAUTIONS:

- Avoid contact with skin, eyes and clothing.
- Do not take internally.
- For industrial, institutional and commercial use only.
- Do not use in potable water systems.
- Consult M.S.D.S. and product label for additional information before handling.
- Do not freeze.
- Wear appropriate protective equipment when handling.

Date Revised: Tuesday, May 20, 2014
