

WRP-6035 White Rust Passivator Cooling Water Treatment



Product Description

- **WRP-6035** is a Poly/Ortho Phosphate based corrosion inhibiting Pre-Treatment formulation for new galvanized cooling water systems or older systems which have experienced white rust galvanized corrosion.
- **WRP-6035** also contains a polymeric dispersant/anti-scalant cleaner as well as a non-ferrous corrosion inhibitor for copper/brass metals. **WRP-6035** will establish a protective film on mild steel and copper alloys.
- **WRP-6035** was designed to clean fouled surfaces of heat transfer equipment, to cleanse the system of dirt, debris, oil, mill scales and general grime and to inhibit corrosion of galvanized metal, commonly known as White Rust.
- **WRP-6035** is especially effective in both cleaning and scrubbing dirt like deposits and at the same time providing a passivated corrosion inhibitory film on the cleansed metal surface.
- **WRP-6035** will form a tenacious inhibitory film on the surface of the galvanized metal and prevent the de-zincification (White Rust) of the galvanizing.
- **WRP-6035** should be applied as a pre-treatment cleaner and is not intended as an on-line treatment.
- **WRP-6035** applications require a pH control of 6-7 using specific acid groups found in **WRP-6034 pH Adjustor**.

Application Rate and Control Parameters

- **WRP-6035** the amount used will depend upon the severity of the dirt, grime, oil and mill scale left in the equipment.
- **WRP-6035** when applied for maintenance of clean surfaces can be fed at a rate of 360-720 ppm. For systems where a greater cleansing action is required **WRP-6035** should be fed at a rate of 720-960 ppm of product.
- **WRP-6035** for applications with no heat load apply at ambient temperature and recirculate the system for a period of 4-5 days prior to bringing the system on line. For applications with heat load (130F max) **WRP-6035** applied for 3-4 days. In either application, constant recirculation of the system should be done to assure delivery of **WRP-6035** to the metal surfaces is being accomplished.
- **WRP-6035**, Phosphate control levels of 40-100 ppm should be maintained in the system during the 3-5 day recirculation time for galvanizing passivation-white rust prevention.
- **WRP-6035** application pH control ranges of 6-7 are required during the passivation period. Use of Citric Acid, Sulfamic Acid or Sodium Bisulfate should be used for pH control. **WRP-6034 pH Adjustor** was specifically formulated to be applied with **WRP-6035** to control pH during passivation. Mineral acids, Sulfuric/Hydrochloric should NOT be used for pH control during the passivation period.

Physical Properties: WRP-6035 White Rust Pre-Treatment Cleaner/Passivator

Form:	Liquid	Color:	Light Amber
Odor:	Slight Aromatic	pH:	12+/-
Density:	9.09#/gallon	Specific Gravity:	1.09
Freeze Point:	Approximately 32F	Freeze/Thaw Recovery:	Complete
Ship Class:	Non Regulated Materials		
Contains:			
HMIS Code	100C		

Refer to the MSDS for further health, safety and environmental information regarding this product. Information and recommendations in this bulletin are based on information believed to be reliable. However, the use of the product is beyond the control of MCI, and no guarantee, expressed or implied, is made as to the effects of such the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from misuse of the product as such, or in combination with other material