

Radiance-P **Cooling System Inhibitor**

Product Description

Seacole-C&H Radiance-P is a concentrated multi-metal corrosion inhibitor for use in locomotive cooling water systems to protect metals from premature failure due to corrosion and to prevent scaling.

Performance Features

- Inhibits Corrosion Of All Metals Including: 30/70A Solder, Brass, Copper, Steel, Cast Iron, Cast Aluminum and 85/15 Brass (EMD), at levels of 2 ounces per gallon. Proprietary blend of nitrite and other organic and inorganic inhibitors protects all the metals found in locomotive cooling systems. Controls scale and deposits.
- Conforms to the ASTM D1384 Specification, the GETS 84A231282 Specification dated 04-19-2012, Rev. O (Locomotive Coolant) and the EMD MI 1748 Section 6.1.1 dated 05-15-2009, Rev G (Locomotive Coolant) Specification, for Corrosion Resistance.
- Conforms to the ASTM D1418 Specification, the GETS 84A231282 Table 4, O-rings Specification, and EMD MI 1748 Section 6.1.2.2, Seals Specification, for Elastomer Chemical Resistance testing.
- Leak Detection Tool: Boron content can be detected in locomotive oil analysis for indication of internal water leaks.
- Proven track record: This product has been in use by Class 1 and shortline/regional railroads with many years of trouble free performance.
- Identifiable: Provides a characteristic red color that provides indication of treatment, but disappears quickly when diluted and exposed to sunlight.
- Versatile: Can be used with ethylene or propylene glycol antifreezes.
- Environmentally friendly: Does not contain chromate or zinc metal compounds that can cause disposal problems. Used solutions of Seacole-C&H Radiance-P are normally regarded as non-regulated and biodegradable upon disposal.

Equipment Requirements

Radiance-P is safe for use with all engine cooling systems.

Product Make-Up

Radiance-P is a highly concentrated cooling system corrosion inhibitor. Dilute to specified strength concentrations.

Technical Data Sheet

Physical Specifications

Form	Liquid
Color	Deep Red as concentrate Red when diluted
pH (2%)	10.25
Nitrite at 2 oz./gallon	1200 ppm
Boron at 2 oz./gallon	175 ppm
Conductivity at 2 oz./gallon (microsiemens/cm)	4000
Specific gravity	1.16
Weight per gallon	9.66
Odor	None

Use Instructions

Add Radiance-P at a rate of 2 ounces per gallon of water or glycol/water mixture (about 4.6 gallons to a 300 gallon cooling system). Can be used in closed recirculating systems or open systems. In closed systems, product life is normally indefinite.

Usage concentration can be easily monitored with drop-count titration tests or handheld conductivity meters. Automatic proportioning systems can be controlled with conductivity based control systems or volumetric proportioners. Contact Seacole-C&H for details.

Companion Products

See Seacole's Railroad and Heavy Equipment product line.

Safety and Handling

Read and understand this product's MSDS before handling.

Waste Treatment

Individual users should verify the nature of spent solutions to assure compliance with local, state, and federal regulations. Contact Seacole for specific details and/or further waste treatment recommendations.

Ordering Information

Radiance-P is available in 4x1 gallon cases, 55 gallon drums, and 275 gallon totes.

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