

VpCI[®]-649 HP

DESCRIPTION

VpCI®-649 HP is a unique concentrated liquid formulation designed to provide long-term protection for ferrous and non-ferrous metals in water and glycol closed-loop systems. VpCI®-649 HP is effective at corrosion protection during hydrostatic testing.

VpCI®-649 HP combines contact and Vapor phase Corrosion Inhibitors, along with a hard water stabilizer and an organic dispersing agent. The product does not contain nitrite, phosphate, molybdenum, or chromate.

PACKAGING & STORAGE

VpCI[®]-649 HP is available in 5 gallon (19 L) pails, 55 gallon (208 L) drums, liquid totes, and bulk.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

VpCI® ADDITIVES FOR WATER TREATMENT



FEATURES

- Contains hard water stabilizer
- Contains organic dispersing agent
- Contains a PTSA tracer
- Extremely low chloride contribution (less than 0.6 ppm at 0.3% dosage)
- Certified to meet ANSI/NSF Standard 61 for drinking water system components*

BENEFITS

- Effective for a broad range of applications to stop aggressive corrosion in systems containing fresh water or glycol coolants
- Vapor-phase action provides protection to areas that contact corrosion inhibitor cannot reach
- Protects steel, copper, galvanized steel, and aluminum
- Effective at dosages as low as 0.3% by weight

TYPICAL PROPERTIES

Appearance	Yellow to Amber Liquid	
Density	9.3-9.8 lb/gal (1.12-1.18 kg/L)	
Туре	Water-Based	
рН	9.1-9.6 (Neat)	
Freeze Point	-2 °F (-19 °C)	

APPLICATIONS

- Closed loop cooling systems
- Hydrostatic testing of vessels, pipelines, and valves
- Cooling system layup
- New construction piping
- Equipment used in transport of potable water
- Fire extinguishing system layup

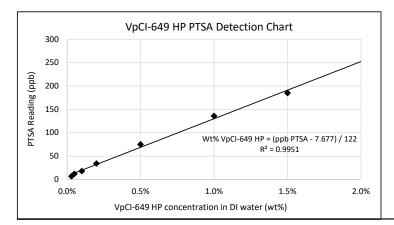
DOSAGE

VpCI®-649 HP General Dosing Guidelines

Protection Length	Recommended Dosage*	
	Weight %	ppm
During Testing & Operational Protection	0.3	3000
Up to 6 months	0.5	5000
6-12 months	1.0	10000
12-24 months	1.5	15000

*These are general dosing guidelines and may not be suitable for every application. Please contact Cortec[®] Technical Service for specific dosing information.

Product Detection: For most accurate concentration monitoring, the PTSA tracer should be used. Refractometry and pH are alternative options.



4119 White Bear Parkway, St. Paul, MN 55110 USA Phone (651) 429-1100, Fax (651) 429-1122 Toll Free (800) 4-CORTEC productinfo@cortecvci.com https://www.cortecvci.com https://www.cortecwatertreatment.com







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CONSIDERATIONS

The PTSA tracer used in VpCI[®]-649 HP degrades with exposure to light. Solutions of VpCI[®]-649 HP must be sheltered from light to retain PTSA tracer. If PTSA degrades, the concentration can still be monitored via other methods. Contact Cortec[®] Technical Service for more information.

