



Genhib™ Corrosion Inhibitors PRODUCT PROFILE

CHARACTERISTICS

Genhib™ corrosion inhibitors and sequestrants are clear, colorless liquids which are completely water soluble. The phosphate family of “condensed” inorganic polymers has been the primary source of chemicals for passivation, sequestration, and/or scale inhibition in potable water. This group is formed by dehydrating orthophosphate to make a series of “glassy” polymers with a O-P-O-P-O chain structure.

Below is a selection chart that provides for a series of solutions formulated to reduce and eliminate corrosion in a variety of situations. Whether to ‘passivate’ exposed copper and lead surfaces in a water distribution system or sequester trace heavy metals such as iron and manganese, these products provide the solution to your corrosion situation.

TYPICAL PROPERTIES

	Genhib™ 175	Genhib™ 185	Genhib™ 1880 Series	Genhib™ 190
Iron / Lead Passivator	■			
Copper / Iron / Lead Passivator		■		
Scale Dispersant				■
Passivator & Sequestrant			■	
Specific Gravity	1.20 - 1.23	1.31 - 1.33	1.15 - 1.38	1.20 - 1.22

Genhib™ 175

Genhib™ 175 is designed to inhibit corrosion of cast iron piping used in water distribution. It contains sodium phosphate, which has long been used to prevent red water episodes. Orthophosphate provides the extra benefit of passivating exposed lead, for example, in solder joints and faucets made with lead alloy.

Genhib™ 185 - Zinc Phosphate

This solution is formulated to ‘passivate’ exposed copper and lead surfaces in a water distribution system. USEPA Lead & Copper Rules strictly regulate the maximum contaminant levels of these two metals. This product has a high phosphate to zinc ratio, which proved most effective in published studies. The phosphate in Genhib™ 185 also effectively ‘passivates’ cast iron piping.

Genhib™ 1880 Series – Blended Phosphates

A corrosion and scale inhibitor solution provides two-fold protection, its blended phosphates ‘passivate’ cast iron piping, and also sequesters trace heavy metals such as iron and manganese.

Genhib™ 190 – Polyphosphate Inhibitor / Dispersant

An effective solution combines the corrosion inhibition of sodium hexametaphosphate with its scale dispersant property, which ‘passivates’ cast iron piping and provides secondary protection against pitting in copper pipe. In addition, Genhib™ 190 inhibits deposition of calcium salts such as calcite (CaCO₃) and gypsum (CaSO₄).

Genhib™ Corrosion Inhibitors

PRODUCT PROFILE

CONTAINERS

- Bulk transport
- 275 gal. one way container
- 55 gal. plastic drum

SHIPPING LOCATION

Genhib™ products are shipped from the following North American location:

- Odom, TX

SHIPPING REGULATIONS

Genhib™ 175

Hazard Class: *Non Hazardous / Not Regulated*

Genhib™ 185

Hazard Class: 8

Label: *Corrosive*

ID Number: *UN1760*

Proper Shipping Name:

Corrosive Liquids, N.O.S. (Contains Phosphoric Acid, Zinc Chloride Solution)

Packing Group: *III*



Genhib™ 1881

Hazard Class: *Non Hazardous / Not Regulated*

Genhib™ 1883

Hazard Class: *Non Hazardous / Not Regulated*

Genhib™ 1885

Hazard Class: *Non Hazardous / Not Regulated*

Genhib™ 190

Hazard Class: *Non Hazardous / Not Regulated*

PRODUCT SAFETY INFORMATION

As with any chemical, Genhib™ products require care in handling.

Anyone responsible for the procurement, use or disposal of these products should familiarize himself or herself and those handling the product with the appropriate safety and handling precautions involved.

This information is available in the Material Safety Data Sheet, which may be obtained by contacting our Customer Service group. In the event of an emergency with these products, call the 24 hour Emergency Number:

US Only: (CHEMTREC) (800) 424-9300

Canada Only: (CANUTEC) (613) 996-6666

CORPORATE HEADQUARTERS

General Chemical

90 East Halsey Road

Parsippany, NJ 07054

IN CANADA

Call Customer Service at

(800) 631-8050 (English)

(866) 543-3896 (French)



CUSTOMER SERVICE

(800) 631-8050

TECHNICAL SERVICE

(800) 255-7589 or (315) 478-2323

WEBSITE

www.GeneralChemical.com

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