

Zerion® HydroTest-5

Technical Data Sheet

Product Description

Zerion® HydroTest-5 is a water-soluble corrosion inhibitor powder designed to provide reliable protection for ferrous metals during hydrotesting. When dissolved in water, it creates an alkaline environment that neutralizes acidic species, effectively reducing the risk of flash corrosion. It delivers optimal performance at low concentrations (0.5%–1.0%), depending on water quality, protection requirements, and post-hydrotesting lay-up duration.

Typical Applications

- Hydrostatic testing of pipelines, piping circuits and static equipment such as storage tanks, pressure vessels, heat exchangers, etc..
- Post-hydrotesting Lay-up: Suitable for short-term lay-up to prevent corrosion in ferrous metals.
- Hydrostatic Testing of Equipment: Applicable to pumps, valves, fittings, and other components made of ferrous metals.

Key Advantages

Corrosion Protection: Effective prevention of flash corrosion on ferrous metals during hydrostatic testing and short-term lay-up.

Efficiency at Low Concentration: Works effectively at low concentrations (0.5%–1.0%).

Alkaline Environment: Neutralizes acidic species in water, enhancing protection and stability.

Potable Water Compatibility: Safe for use with potable water systems, expanding application versatility.

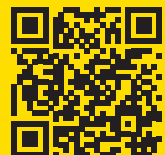
Cost-Effective: Reduces the need for additional treatments post-hydro testing, making it economical for short-term use.

Operating Summary

- Mix Zerion® HydroTest-5 thoroughly into water. The required concentration depends on length of time the asset will be in contact with the solution, condition of the asset, and quality of the water.*
- Perform hydrostatic testing using the prepared solution as outlined in the Scope of Work. A Zerust® Field Engineer can be assigned to oversee the operation.
- Dispose of the solution in compliance with all applicable local, regional, national, and international regulations.

**Consult a Zerust® representative to discuss your specific needs*

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product information

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Typical Properties

Properties**	Details
Appearance	White powder
Substrate	Ferrous
pH (as aqueous solution)	9.5 - 10.5
Shelf Life	36 months, unopened

**Typical values are not meant to be a specification.

This data sheet provides general guidelines for operation, application, and removal. Please contact a Zerust® representative for more specific recommendations on specific operation and conditions.

Availability

Contact a Zerust® representative for ordering information.

Product Number	Unit of Measure***
460-F-00024PL	18 kg (40 lb) pail
460-F-00024SS	907 kg (2,000 lb) super sack

***Product sold in US customary units. Metric units approximate.

Storage

- Keep containers tightly closed in a dry, cool and well-ventilated place.

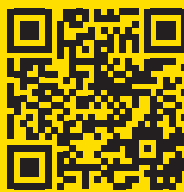
‡ **DECLARATION**

Corrosion protection claims are based on Northern Technologies International Corporation (NTIC) internal laboratory testing performed under controlled parameters on contaminate-free substrates. Real-world application corrosion protection duration on different substrates will vary and depends on factors such as, but not limited to, the application or use, environmental/ storage conditions, surface cleanliness, type of substrates, and coating thickness (where applicable). The use of the term "Up to" in reference to time is defined as any time duration from zero up to a specified time frame, but in no event beyond the specified time frame. The use of the term "for years" is based on NTIC's experience with its products but is in no way guaranteed. The use of the term "Up to" in reference to volume is defined as any volume from zero up to a specified volume but in no event beyond the specified volume of protection. It is the customer's/user's obligation to evaluate product performance, corrosion protection duration, safety, and suitability for intended use within the scope advised in the data sheet and to comply with all applicable laws and regulations.

LIMITED WARRANTY/DISCLAIMER Warranty is limited to the replacement of a product that fails to meet specifications. For full warranty and disclaimer information, visit www.zerust.com/warranty.

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With over 50 years of experience, Zerust® Oil & Gas, a division of Northern Technologies International Corporation (NTIC), creates unique inhibitor-based corrosion prevention solutions to serve terminals, pipelines, exploration and production, equipment suppliers, transportation sectors, and more.

Zerust® Oil & Gas, ZERUST®/EXCOR®, and Natur-Tec® are sister companies under NTIC.