

## Zerion® HydroTest-12

### Technical Data Sheet

## Product Description

Zerion® HydroTest-12 is a high-performance corrosion-inhibiting formulation specifically designed for hydrostatic testing and post-testing lay-up. This versatile solution is engineered to provide reliable, long-lasting protection for assets of various sizes and geometries.

Zerion® HydroTest-12 combines Soluble Corrosion Inhibitors (SCIs) and Vapor Corrosion Inhibitors (VCIs) to deliver comprehensive corrosion protection. SCIs protect metal surfaces in direct contact with the solution, making them ideal for fully filled assets during hydrostatic testing. VCIs, on the other hand, diffuse into airspaces within the asset, saturating these areas to safeguard against corrosion during post-testing lay-up.

With its advanced formulation, Zerion® HydroTest-12 simplifies application while delivering exceptional corrosion resistance and durability, effectively mitigating corrosion risks during hydrostatic testing and subsequent storage.

## Typical Applications

- Hydrostatic testing of pipelines, piping circuits and static equipment such as storage tanks, pressure vessels, heat exchangers, etc..
- Post-Testing Lay-Up: Protects assets following hydrostatic testing. Ideal for short and long-term lay-ups.
- Airspace Protection: Prevents corrosion in hard-to-reach air pockets or voids in complex asset geometries.
- Water-Handling Equipment: Protects pumps, valves, and other ferrous metal equipment during testing and post-testing lay-up.

## Key Advantages

**Comprehensive Corrosion Protection:** Combines Soluble Corrosion Inhibitors (SCIs) and Vapor Corrosion Inhibitors (VCIs) for dual-phase protection for both contact and airspace protection.

**Versatility:** Effective for a wide range of asset sizes, geometries, and testing conditions.

**Enhanced Durability:** Provides long-lasting protection during hydrostatic testing and post-testing lay-up.

**Airspace Safeguarding:** Protects hard-to-reach areas such as air pockets and voids through VCI diffusion.

**Ease of Application:** Simplifies the testing and preservation process with a single, easy-to-use formulation.

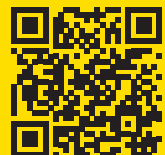
**Cost-Effective:** Reduces corrosion risks, minimizing potential repairs or replacement costs.

## Operating Summary

- Mix Zerion® HydroTest-12 thoroughly into water. Concentration is dependent on length of time the asset will be in contact with the solution, condition of the asset, and quality of the water.\*
- Apply solution to asset as specified in the Scope of Work. A Zerust® Field Engineer can be assigned to oversee the operation.
- Remove the solution from the asset and neutralize to the appropriate pH levels for disposal.
- Dispose of the solution in accordance with local, regional, national, and international regulations as applicable.

\*Consult a Zerust® representative to discuss specific needs.

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product information

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**Typical Properties**

Properties*	Details
Appearance	White Powder
Substrate	Ferrous
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.

Item Number	Unit of Measure**
460-F-00025PL	15 kg (33 lb) pail
460-F-00025SS	454 kg (1,000 lb) sack

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

**Storage**

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

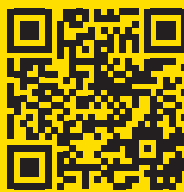
‡ DECLARATION

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](http://www.zerust.com/warranty).

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A product of:  
Northern Technologies  
International Corp  
4201 Woodland Road  
Circle Pines, MN 55014 USA  
Toll-Free: +1 (800) 328-2433  
[www.zerust-oilgas.com](http://www.zerust-oilgas.com)

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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.