

## ZERUST® ZerioGuard™ 8

### Technical Data Sheet

## Product Description

Hydrostatic testing is a critical process for verifying the structural integrity of pipelines but often presents challenges such as the formation of corrosion products. Corrosion can develop due to delays, residual water pockets after draining the line, or can be accelerated when low quality water is used. These issues may result in increased operational costs, additional delays, and potential risks to pipeline integrity. ZERUST® ZerioGuard™ 8, a water-soluble corrosion inhibitor powder, is specifically designed to address these challenges effectively.

By mitigating corrosion and streamlining operations, ZERUST® ZerioGuard™ 8 ensures pipeline integrity, enhances efficiency, and supports cost-effective and environmentally\* responsible hydrostatic testing.

\*Consult local environmental regulations to ensure compliance with specific discharge requirements in the local area.

## Typical Applications

- Hydrostatic testing of pipelines, piping circuits
- Use in facilities requiring environmentally friendly corrosion inhibitors.
- Testing applications in regions with strict disposal regulations (e.g., California).

## Key Advantages

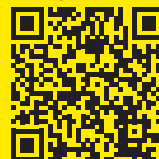
- Corrosion Reduction: Protects assets during hydrostatic testing, especially during downtime between testing and commissioning.
- Environmental Compliance: Its neutral pH may make the product safer for discharge onto the soil, potentially reducing the need for additional steps to comply with local environmental regulations, subject to proper evaluation.
- Cost-Effective: Reduces potential repair costs by minimizing corrosion damage.
- Ease of Use: Water-soluble powder dissolves easily, simplifying application.
- Operational Efficiency: Helps maintain pipeline integrity, reducing delays and operational risks.
- Versatility: Suitable for various water qualities and diverse hydrotesting scenarios.

## Operating Summary

- Mix ZERUST® ZerioGuard™ 8 thoroughly into water. Concentration depends 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.
- 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
pH	6.5 - 7.5 (1% in water)

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

### Availability

Contact a ZERUST® representative for ordering information.

Product Number	Unit of Measure****
460-F-00023PL	33 lb (15 kg) pail
460-F-00023SS	1,000 lb (454 kg) super sack

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

### Storage

Store in original packaging in a cool, dry place away from sunlight; keep tightly closed for a shelf life of 36 months, unopened.

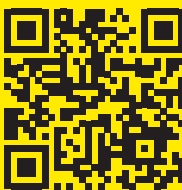
#### † DECLARATION

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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With over 50 years of experience, ZERUST® Integrity Solutions™, 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® Integrity Solutions, ZERUST®/EXCOR®, and Natur-Tec® are sister companies under NTIC.

