



# ZERUST® Zerion™ PPL

## Technical Data Sheet

### Product Description

ZERUST® Zerion™ PPL is a high-performance corrosion inhibiting formulation engineered specifically for long-term pipe casing protection. Designed to deliver over 25 years of corrosion protection before requiring replenishment†, ZERUST® Zerion™ PPL ensures extended service life and reliability in demanding environments.

### Typical Applications

ZERUST® Zerion™ PPL is suitable for use in various pipe casing sizes and lengths, providing universal benefits for all owners regardless of specific requirements.

### Key Advantages

#### Extended Service Life

ZERUST® Zerion™ PPL delivers 25+ years of protection\*, reducing maintenance cycles and total life cycle costs.

#### Advanced Dual-Action Corrosion Protection

- Vapor Corrosion Inhibitors (VCIs): Saturate the air space inside pipe casings to protect internal surfaces.
- Contact Inhibitors: Provide direct protection on metal surfaces in contact with the gel/liquid and offer pH buffering to neutralize acid-forming cycles.

#### Minimal Inhibitor Loss

Designed with pipe casing geometry in mind, the formulation maintains high retention of VCIs by minimizing potential leak paths and vapor loss, ensuring long-lasting effectiveness.

\*Service life is based on laboratory testing and field experience under typical operating conditions. Actual performance may vary depending on factors such as environmental exposure, application method, and specific asset design. Periodic inspection and evaluation are recommended to ensure optimal protection.

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product information

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### Typical Properties

Properties**	Details
Appearance	White powder
Substrate	Ferrous
pH	9.4 (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-00018PL	33 lb (15 kg) pail
460-F-00018SS	1,000 lb (453.6 kg) super sack

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

### Storage

Store in original packaging in a dry, well-ventilated area at room temperature; 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.**

