



ZERUST® Zerion® FAN-5

Technical Data Sheet

Product Description

ZERUST® Zerion® FAN-5 is a non-hazardous, environmentally friendly soluble corrosion inhibitor (SCI) powder designed to protect ferrous metals by dissolving into water to create an alkaline environment that neutralizes acidic species. This inhibitor is ideal for applications such as pipeline preservation, bulk water lay-up, fire water protection, and rinse water to reduce flash corrosion. ZERUST® Zerion® FAN-5 offers versatile, economical, and long-term corrosion protection for both immersion and rinse applications.

Typical Applications

- Pipeline preservation
- Bulk water lay-up
- Fire water systems
- Rinse water corrosion control
- Temporary system shutdowns
- Hydrostatic testing
- Tank internals protection
- Sprinkler system lay-up

Key Advantages

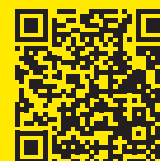
- Neutralizes acidic species and creates an alkaline environment
- Provides long-term corrosion protection
- Effective at low concentrations (0.5%–10%), depending on water quality, performance needs, and lay-up duration
- Suitable for both immersion and rinse applications
- Compatible with potable water and can be combined with volatile/vapor corrosion inhibitors for extended airspace protection
- Non-hazardous and environmentally friendly, ensuring sustainable corrosion protection
- Economical solution for a wide range of applications

Application Guidelines and Removal*

Use ZERUST® Zerion® FAN-5 at concentrations ranging from 0.5% to 10%, depending on the quality of the water, the desired level of corrosion protection, and the expected duration of lay-up.

*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	9.5 - 10.5

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

Availability

Contact a ZERUST® representative for ordering information.

Product Number	Unit of Measure***
460-F-00006	40 lbs (18.14 kg) pail
460-F-00006SS	2000 lbs (907.1 kg) super sack (Made to Order)

***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 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.

