

Zerion® FVS-DB

Technical Data Sheet

Product Description

Zerion® FVS-DB is an advanced corrosion inhibitor engineered to protect aboveground storage tank (AST) soil-side bottoms (SSB) placed on sand beds. It effectively mitigates risks associated with water ingress, moisture, and contaminant buildup. By integrating Vapor Corrosion Inhibitors (VCIs) for airspace protection and Soluble Corrosion Inhibitors (SCIs) to neutralize contaminants in water, Zerion® FVS-DB provides robust, dual-action corrosion protection.

Typical Applications

- Aboveground Storage Tanks (SSB): protects soil-side bottoms through solution injection or powder application in sand pad foundations.

Key Advantages

- **Dual-Action Protection and Comprehensive Coverage:** Combines VCIs and SCIs to neutralize contaminants, ensuring both contact corrosion inhibition and airspace protection in hard-to-reach areas.
- **Cost-Effective in Aggressive Environments:** Designed to mitigate corrosion risks in soil-side bottoms of tanks sitting on deep sand beds.

Operating Summary

- Mix Zerion® FVS-DB thoroughly into water. The required concentration varies based on water quality, contaminant levels, asset condition, and sand quality.*
- Zerion® FVS-DB can be applied via solution injection and powder application in sand pads.

**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 (diluted @ 1%)	9 - 9.5
Shelf Life	36 months, unopened***

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

***The stated shelf life assumes the product is stored under proper conditions, away from direct sunlight and in a cool, dry environment.

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-00026PL	15 kg (33 lb) pail
460-F-00026SS	454 kg (1,000 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.

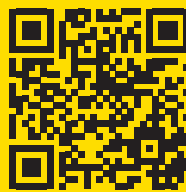
‡ DECLARATION

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.

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