

ZerioTec® - Fog FV

Technical Data Sheet



Product Description

ZerioTec® - Fog FV is a ready-to-use, water-based rust-preventative liquid engineered for fogging and spraying applications. It protects ferrous metals through Zerust® contact inhibitors and advanced Vapor Corrosion Inhibitor (VCI) technology. The VCI molecules migrate effectively to protect hard-to-reach voids in enclosed spaces, making ZerioTec® Fog FV ideal for fogging into piping systems, void spaces and static equipment. It is an effective, safe alternative to nitrogen blanketing and saves time and money compared to traditional methods including dry air systems or desiccant bags.

Typical Applications

- Piping systems
- Tanks
- Vessels
- Heat exchangers
- Void spaces

Key Advantages

- Low Residue
- Ready to use
- Multimetal protection
- Environmentally Friendly
- Thin film protection

Operating Summary

- Ready-to-use water-based VCI rust preventative liquid.
- Typical operating temperature: 41-120°F (5-49°C) in most operations.
- ZerioTec® - Fog FV is a water-based product.

Application Guidelines and Removal

- Fog or mist into void spaces
- Typical application rate 0.2-0.3 oz/ft³ (0.2L-0.3L/m³)
- Application temperature: 5-49°C (41-120°F)
- Expected to place equipment directly in to service, without the need for corrosion inhibitor removal

Please contact a Zerust® representative for specific dosage, application equipment guidance and recommendations.

Scan QR for more



product information



Typical Properties

Properties*	Details
Appearance	Dark amber liquid
Substrate	Ferrous only. Do not use on aluminum, zinc, galvanized steel, or yellow metals.
Surface Finish	Thin coating
VOC content EPA Method 24 (concentrate)	1.49 lb/gal (179 g/L)
Freeze Point	14°F (-10°C)
pH	8 - 9
Vapor Inhibiting Ability (VIA)	Pass (NACE TM0208)

* Typical values are not meant to be a specification.

Availability

Contact a Zerust® representative for ordering information.

Product Number	Unit of Measure**
350-F-00207PL	5 gal (19 L) pail
350-F-00207DR	55 gal (208 L) drum

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

Storage

Store in original packaging at 32-85°F (0-29°C), away from sunlight; thaw and mix if frozen, and reseal after use for up to 2 years of shelf life.

‡ 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.

©2013-2025 Northern Technologies International Corporation (NTIC). All Rights Reserved. NTIC is the owner of the following trademarks: ActivPak, Cor Tab, EXCOR®, Flange Saver, ICT®, Natur-VCI®, NTIO, Plastabs, Z-CISO, Zerion, ZERUST®, 5alf-111i, Z-PAKO and the Color "Yellow". ABRIGO®, UNICO®, and VALENO® are registered trademarks of EXCOR GmbH, a Joint Venture Partner of NTIC.

Contact Us



Scan QR Code

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

Supersedes: v16
 Revised: 02/03/2025



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.

