

ZerioTec® - Fog MV

Technical Data Sheet

Product Description

ZerioTec® - Fog MV 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 while also being compatible with multimetal systems. The VCI molecules migrate effectively to protect hard-to-reach voids in enclosed spaces, making ZerioTec® - Fog MV ideal for fogging into complex machinery, assemblies, or packages containing voids and chambers. For colder climates or freezing conditions, a winterized version is available to ensure reliable, year-round performance‡.

‡Compatible with packaging, the product lasts up to 1 year in plain poly packaging and up to 5 years in Zerust® VCI packaging or hermetically sealed spaces.

Typical Applications

- Wide Temperature Operations: Suitable for applications in operating temperatures ranging from 5–49°C (41–120°F).
- Cold Climate Applications: Winterized version ensures consistent performance in freezing temperature conditions.
- Temporary Rust Prevention Coating: Provides short-term protection for metal surfaces and can be easily removed as needed.
- Pre-Paint Surface Preparation: Protects metal surfaces prior to painting, with easy removal using Zerust® AxxaWash™ products.
- Spray or Fog Applications: Ideal for enclosed systems where VCI fogging is required for effective corrosion protection.

Key Advantages

Ready-to-Use: Convenient water-based formula requires no diluting, simplifying application.

Reliable Rust Prevention: Provides effective corrosion protection across a broad range of operating temperatures.

Cold Weather Compatibility: Winterized version available for low-freezing temperature conditions.

Ease of Removal: Can be easily removed using compatible Zerust® AxxaWash™ products.

Versatile Application Methods: Suitable for spray or fogging applications in enclosed systems.

Environmentally Friendly: Water-based formulation reduces environmental impact compared to solvent-based alternatives.

Operational Safety: Designed to prevent corrosion without compromising ease of maintenance or subsequent painting processes.

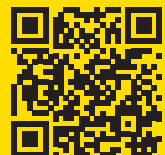
Operating Summary

- Ready-to-use water-based VCI rust preventative liquid.
- Typical operating temperature: 5–49°C (41–120°F) in most operations.
- ZerioTec® - Fog MV is a water-based product and will freeze at temperature/environment conditions/substrate surface temperature when water freezes. Do not apply product when there is a chance of water freezing. For low-freezing temperature application, please contact a Zerust representative for winterized versions.

Application Guidelines and Removal

- Suitable for spray or fog applications. Avoid applying to red-hot surfaces, such as immediately after welding.
- Designed as a rust preventative coating but can be removed with a compatible Zerust® AxxaWash™ product. For tailored removal guidance, contact a Zerust® representative.
- Remove the coating before painting.
- Do not reuse the product in circulating spray systems, even in enclosed setups, as the active VCI components diminish when exposed to air.

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product information

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Typical Properties

| Properties* | Details |
|---|---|
| Appearance | Dark amber liquid |
| Substrate | Ferrous protection only. Multimetal compatible. Do not use on zinc, galvanized steel, or yellow metals. |
| Surface Finish | Thin coating |
| VOC content EPA Method 24 (concentrate) | 158 g/L (1.32 lb/gal) |
| Freeze Point | -10°C (14°F) |
| pH | 8 - 9 |
| Vapor Inhibiting Ability (VIA) | Pass (NACE TM0208) |

* Typical values are not meant to be a specification.

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* |
|----------------|---------------------|
| 350-M-00118PL | 19 L (5-gal) pail |
| 350-M-00118DR | 208 L (55-gal) drum |

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

Storage

- Store in original packaging at 0–29°C (32–85°F), 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.

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