Axxatec™ 87-M

Technical Data Sheet

ZERUST®/EXCOR® Axxatec™ 87-M is a ready-to-use water-based rust preventative liquid designed for fogging and spraying applications. Axxatec™ 87-M protects metals by means of ZERUST® contact inhibitors and proven Vapor Corrosion Inhibitor (VCI) technology and is multimetal compatible. The VCI molecules migrate to protect hard-to-reach voids within an enclosed space, making it ideal for fogging into complex machine assemblies or packages that contain components with voids and chambers. Use Axxatec™ 87-M for corrosion protection during assembly, shipping, and storage or inside vessels after hydrostatic testing.

To gain the benefit of the VCI, use Axxatec™ 87-M in a tightly sealed, foggable enclosure or void. After application by fogging or pressurized spray and letting the coating thoroughly dry, it leaves a safe, thin protective coating that is safe for use on most painted surfaces. Furthermore, Axxatec™ 87-M protects for up to 1 year‡ in plain packaging and up to 5 years‡ in hermetically sealed spaces or ZERUST®/EXCOR® VCI packaging. Axxatec™ 87-M does not contain solvent, is non-flammable, and complies with Global Automotive Declarable Substance, TSCA, ECHA SVHC, RoHS, and REACH requirements.

For over 50 years, ZERUST® has led the market in quality corrosion solution products. We are dedicated to providing expert corrosion management services and broadening the range of corrosion solutions for our customers. In addition, ZERUST® users have access to on-site support from ZERUST®/EXCOR® representatives in more than 70 countries. As a result, our customers have peace of mind when they choose ZERUST® for corrosion control management.

Typical Properties

Appearance	Dark amber liquid
Surface finish	Thin coating
Substrates	Multimetal compatible.
VOC content EPA Method 24 (concentrate)	1.32 lb/gal (158 g/L)
Freeze point	14°F (-10°C)
pH	8 – 9
Vapor Inhibiting Ability (VIA)	Pass (NACE TM0208)

This data sheet provides general guidelines for operation, application, and removal. Please contact your ZERUST®/EXCOR® account representative for more specific recommendations on your particular operation and conditions.

Operating Summary

- Ready-to-use water-based VCI rust preventative liquid.
- Typical operating temperature: 41 – 120°F (5 – 49°C) in most operations.
- Axxatec™ 87-M 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 refer to Axxatec™ 87-MW3 winterized product.

Application Technologies

- Can be used in spray or fog processes.
- Do not apply the product onto red-hot heated surfaces – such as on surfaces immediately after welding.

Product Removal

- Axxatec™ 87-M is designed to be left on the metal surface as a rust preventative product. However, it can be rinsed and removed from the metal surface with the use of a compatible ZERUST® AxxaWash™ product, or contact your ZERUST®/EXCOR® account representative for more specific removal recommendations on your particular operation and conditions.
- Remove before painting.

Product Control

- Spray/fog application: do not reuse product – such as in a circulating spray booth, even when enclosed, as the active VCI component of the product depletes when exposed to air.

Scan QR for more

product information and photos

Availability

ZERUST®/EXCOR® Axxatec™ 87-M is sold as a ready-to-use liquid product. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Quantity*
350-M-00029PL	5 Gal (19 L) Pail
350-M-00029DR	55 Gal (208 L) Drum

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

Protection Info‡

Plain poly packaging‡	Up to 1 year‡
ZERUST® VCI packaging/hermetically sealed‡	Up to 5 years‡
Compatible with packaging	Yes*

*Metal may discolor or darken in contact with plastics under very aggressive conditions.

Storage

- Store in a cool, dry place and away from sunlight in the original packaging.
- Optimal storage temperature is 32 – 85°F (0 – 29°C) for up to 2 years from the date of shipment.
- If the product freezes, bring it to room temperature and mix well.
- Reseal or close the container cap after each use.

Disposal

- Collect waste when removing.
- Dispose of in accordance with local, national, and international regulations.
- Avoid release into the environment.

Precautions

- Always mix well before use. Inspect that the product is clear and homogenous before applying.
- Product has a propensity to foam. Contact your ZERUST®/EXCOR® representative for recommendations for suitable defoaming agents.
- Test before use on painted surfaces, rubber seals, and plastics.
- Avoid placing metal surfaces in direct contact with wood or cardboard (sources of moisture and acid).
- Avoid contact with eyes and skin.
- Provide adequate ventilation and minimize exposure to vapors.
- Do not breathe mist, spray, or vapors.
- Wear personal protective equipment as stipulated in the Safety Data Sheet (SDS).
- Refer to SDS for more safety information.

‡ 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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