

# ZERUST® Axxatec™ 87-MB VCI RP

ZERUST®/EXCOR® Axxatec™ 87-MB is a foggable aqueous-based rust-preventative liquid. It protects ferrous, and aluminum metals via contact inhibitors and proven ZERUST® Vapor Corrosion Inhibitor (VCI) technology and is compatible with most softer metals (copper, brass, bronze, etc.)

ZERUST®/EXCOR® Axxatec™ 87-MB VCI molecules migrate to protect in hard-to-reach areas within an enclosed space. It forms a clear, thin coating and is safe for use on rubber seals and plastics.

Use Axxatec™ 87-MB to protect bare metal surfaces and void spaces during assembly, shipping, and storage. The product comes ready to use and can be applied by fogging or pressurized spray. It is ideal for fogging into complex machine assemblies or packaging holding components with voids and chambers. To gain the benefit of the VCI, use it in a tightly sealed, foggable enclosure or void. Axxatec™ 87-MB provides 1 year protection in plain packaging and up to 5 years in hermetically sealed spaces or ZERUST® VCI packaging.

## Application Example

Manufacturing equipment is enclosed in ferrous VCI film, and then the interior is fogged with Axxatec™ 87-MB and tightly sealed for shipment.



## Benefits

Strong ferrous metal protection. However, it may leave a cloudy, whitish residue, depending on the environment

Effective water-based RP with VCI

Ready to use, easy to apply

Foggable VCI protects hard-to-reach surfaces in crevices and voids

May be used with multiple metal types

## Application Type

Storage  
Moistballing and Long-term storage  
Shipping  
May be used with poly packaging

\*Non-Hazardous Disposal: Product in an unopened original container prior to use is non-hazardous waste in the United States according to 40 CFR 261 (no components listed on F, K, P or U lists; not ignitable, not corrosive, not reactive, and not toxic).

## Technical Data

<b>Product Information</b>	Ready to use water-based VCI rust preventative liquid.	
<b>Application</b>	Apply via spray or fog.	
Contact a technical representative for other application methods.	Application temperature	41 to 120°F (5 to 49°C)
	Dosage	0.2 fl oz/ft <sup>3</sup> (195 mL/1 m <sup>3</sup> )
	Removal	Alkaline cleaning agent
<b>Properties</b>	Volatile Content	<15%
	Flashpoint	>212°F (100°C)
	pH	8 - 9
	Viscosity	Water-like
	Density (25°C)	0.95-1.05 g/ml
<b>Protection Info</b>	Plain Poly Packaging	1 year
	VCI Packaging/hermetically sealed	Up to 5 years
	Humidity Chamber ASTM D1735	Exceeds 500 hrs
	VCI Test (NACE TM0208-2013)	Pass
	Metal types	Ferrous protection only. Multimetal compatible. Do not use on zinc or galvanized steel. Test before use on yellow metals.

**Storage** Store in a tightly closed container to preserve VCI. Do not freeze. It may separate when frozen. If frozen, allow to thaw and mix thoroughly. Store in a cool (32 to 85°F / 0 to 30°C), dry place and away from sunlight in original packaging for up to 2 years from the date of shipment.

### DECLARATION

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## Availability

ZERUST®/EXCOR® Axxatec™ 87-MB is sold as a ready-to-use liquid product. Large quantity pricing is available upon request.

Part Number	Quantity
350-M-00081PL	5 Gal (19 L)
350-M-00081DR	55 Gal (208 L)

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

## Disposal

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

## Precautions

- Shake/stir product container before use. Inspect that the product is clear and homogenous before applying.
- Axxatec™ 87-MB 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.
- 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.
- Product has a propensity to foam.
- Do not use for dipping/immersion dip application with an open sump/tank.
- Do not apply the product onto red-hot heated surfaces – such as on surfaces immediately after welding.
- Do not dry surfaces coated with product. Seal enclosure immediately after application.
- Reseal unused, unexposed product in original container immediately after use.
- Do not use on zinc or galvanized steel. Test before use on yellow metals.
- Test before use on painted surfaces.
- Test before use on rubber seals, and plastics.
- Remove before painting. Axxatec™ 87-MB can be removed with the use of an alkaline cleaning agent.
- Do not place treated metals in direct contact with cardboard packaging or wood.
- Metal may discolor or darken in contact with plastics under very aggressive conditions.

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