

Axxatec[™] 8110C

Technical Data Sheet

ZERUST[®]/EXCOR[®] Axxatec[™] 8110C is an easy-to-use corrosion-inhibiting water-based additive for the protection of interior surfaces and parts comprised of iron, steel, aluminum, copper, and brass within closed systems. Use to protect water-filled void spaces of hydraulic and coolant equipment, such as heat exchangers, industrial plate-chillers, and fire sprinkler systems, for up to 1 year[†].

In addition to being a corrosion-inhibiting water-based additive, Axxatec[™] 8110C helps prevent flash rust in between production processes as it provides a few hours of corrosion protection when used as a coating or final rinse for parts that will be enclosed in ZERUST[®] Vapor Corrosion Inhibitor (VCI) film packaging products. However, it is not recommended as a long-term or stand-alone external corrosion protection coating. Furthermore, when used as a coating or final rinse, it leaves a safe, clear, dry-to-touch protective coating after drying. As a result, Axxatec[™] 8110C coated and dried parts are safe to handle, and end users do not need to wear personal protective equipment such as a respirator, mask, or safety glasses, making it safer and more economical to use than solvent-based systems. Even though gloves are not mandatory, we recommend using clean gloves without lint or talc to keep metals free of contaminants. Axxatec[™] 8110C does not contain VOC or solvent, is non-flammable, complies with Global Automotive Declarable Substance, TSCA, ECHA SVHC, RoHS, and REACH requirements, and is environmentally friendly.

For over 50 years, beginning with the invention of Vapor Corrosion Inhibiting (VCI) film packaging, 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	Light yellow liquid
Surface finish	Clear, dry-to-touch
Substrates	Ferrous, aluminum, copper, and brass protection.
VOC content EPA Method 24 (concentrate)	Components contain no VOC according to CARB.
Freeze point	32°F (0°C)
pH (concentrate)	6.5 – 7.5
pH (10% solution)	6.5 – 7.5

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

- Dilute 10% in glycolic coolants or water-based fluids. Pre-blend before adding to the system or may be added directly to the system.
- Typical operating temperature: Ambient in most operations.
- Deionized or reverse osmosis water is required for dilution to reduce corrosion potential, as the product is not hard water compatible.
- Dry well after application when used as a coating or final rinse for parts that will be enclosed in ZERUST[®]/EXCOR[®] VCI Packaging Film.

Application Technologies

- Can be used as an additive for the protection of interior surfaces.

Product Removal

- Axxatec[™] 8110C is designed to be flushed from the closed system with the use of deionized water. When used as a coating or final rinse for parts, it is designed to be left on the metal surface for rust prevention.

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product information
and photos

Availability

ZERUST®/EXCOR® Axxatec™ 8110C is sold as a liquid concentration. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Quantity*
350-M-00005PL	5 Gal (19 L) Pail
350-M-00005DR	55 Gal (208 L) Drum

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

Protection Info‡

Closed system‡	Up to 1 year‡
Indoor (unpackaged)‡	Few hours‡
Indoor (w/ ZERUST®/ VCI packaging)‡	For years‡
Outdoor‡	Not recommended
Compatible with packaging	Yes

Storage

- Store in a cool, dry place and away from sunlight in the original packaging.
- Optimal storage temperature is 50 – 90°F (10 – 32°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

- Dispose of in accordance with local, national, and international regulations.

Precautions

- Always mix well before use.
- Deionized or reverse osmosis water is required for dilution to reduce corrosion potential, as the product is not hard water compatible.
- 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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