

Axxatec[™] 77C

Technical Data Sheet

ZERUST[®]/EXCOR[®] Axxatec[™] 77C is a water-based liquid concentrate rust preventative designed to provide up to 3 months[±] of temporary indoor storage, in-line production, and assembly protection. Furthermore, Axxatec[™] 77C provides ferrous and multimetal protection while also being yellow metal and galvanized compatible. However, it's not intended to be used on aluminum.

When applied and dried, it leaves a safe, thin, hazy protective coating. As a result, Axxatec[™] 77C 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. After allowing metals to completely dry, place them into ZERUST[®] Vapor Corrosion Inhibitor (VCI) film packaging products for a more robust solution that protects for years[±] during indoor storage or challenging shipping conditions, such as ocean freight. Axxatec[™] 77C does not contain solvent or VOC, 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	Clear pale-yellow gel-like liquid.
Surface finish	Thin, hazy
Substrates	Ferrous and multimetal protection. Yellow metal and galvanized compatible. Do not use on aluminum.
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 (5% solution)	6 – 7

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 between 3 – 10% in water.
- Typical operating temperature: $\geq 72^{\circ}\text{F}$ (22°C) in most operations.
- Deionized or reverse osmosis water is required for bath makeup and rinsing to improve bath life and reduce corrosion potential, as the product is not hard water compatible.
- Dry well after application.

Application Technologies

- Can be used in immersion, brush, or spray processes.

Product Removal

- Axxatec[™] 77C 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.

Product Control

- Spray application: do not reuse collected product from spray booths or drip pans.
- Immersion application: for extended dip tank use, please contact your dedicated ZERUST[®]/EXCOR[®] account representative for detailed information.
- Brush-on application: use a brush with nylon bristles. Decant into a smaller container. Do not reuse product. Do not contaminate the original product container with the brush.

Scan QR for more



product information
and photos

Availability

ZERUST®/EXCOR® Axxatec™ 77C is sold as a liquid concentration. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Quantity*
350-M-00004PL	5 Gal (19 L) Pail
350-M-00004DR	55 Gal (208 L) Drum

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

Protection Info‡

Indoor (unpackaged)‡	Up to 3 months‡
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 40 – 100°F (4 – 38°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

- Product may leave a white residue when used at high concentrations.
- Always mix well before use.
- Deionized or reverse osmosis water is recommended for bath makeup and rinsing to improve bath life and reduce corrosion potential.
- 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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