

Axxanol™ 750

Technical Data Sheet

ZERUST®/EXCOR® Axxanol™ 750 is a sprayable rust preventative oil containing Vapor Corrosion Inhibitors (VCI). When shipped or stored in enclosed packaging, Axxanol™ 750 forms a clear, thin, oily film that provides a moisture barrier and contact inhibitor with ZERUST® VCI chemistry that migrates to metal surfaces in hard-to-reach voids, crevices, and chambers, providing powerful corrosion protection. Use Axxanol™ 750 by spraying, misting, or fogging to safely protect metal components, machined and cast parts, engines, molds, and more for years‡ in applications using packaging.

After application and allowing metals to completely dry, place them into ZERUST® VCI film packaging. As a result, invisible, odorless, and non-toxic ZERUST® VCI molecules settle onto exposed metal surfaces inside the packaging. Upon removal from the packaging, the VCI will dissipate from the metal surface, leaving behind a coating compatible with most engine oil lubricants. However, if the coating needs to be removed for further processing, use a compatible ZERUST® AxxaWash™ product, commercial alkaline, or solvent cleaner. Axxanol™ 750 does not intentionally contain barium or heavy metals and complies with Global Automotive Declarable Substance, TSCA, RoHS, and REACH SVHC requirements.

For over 50 years, ZERUST® has delivered innovative corrosion management solutions, helping manufacturers protect valuable metal assets worldwide. We are dedicated to providing high-quality corrosion prevention and metal cleaning solutions backed by expert technical support. ZERUST®/EXCOR® offers on-site support and service in more than 70 countries through its global network of representatives. Contact your ZERUST®/EXCOR® representative to find a comprehensive corrosion management solution tailored to your needs.

Typical Properties

Appearance	Amber oil results in a clear, thin, oily, water-barrier film.
Substrates	Multimetal protection
Coverage*	1358 ft² (126 m²) per gal
Wet film thickness (WFT)	1.18 mil (30 µm)
Engine oil compatibility†	≤ 10% v/v
VOC content EPA Method 24	0.46 lb/gal (56 g/L)
Flashpoint ASTM D93	176°F (80°C)
Kinematic viscosity	≈ 11.1 cSt @ 104°F (40°C)

*The theoretical coverage estimates, based on the stated wet film thicknesses (WFT), should only be used as a guide. These estimates were generated based on internal lab measurements of product coating on flat, smooth 1010 steel stock. Actual coverage data will vary in actual use based on the method of application, type of equipment used, part geometry, surface roughness, drain-off time, drag-out rate, evaporative loss, etc.

† Our internal laboratory has conducted the engine oil compatibility test. However, we strongly advise testing the oil for compatibility before use, as engine systems can vary in conditions, specifications, and requirements.

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 oil-based VCI corrosion preventative liquid.
- Typical application temperature: ambient in most operations.
- See Safety Data Sheet (SDS) section 7 for safe handling recommendations.

Application Technologies

- Can be used in spray or fog processes.

Product Removal

- Axxanol™ 750 can be removed from the metal surface with the use of a compatible ZERUST® AxxaWash™ product, commercial alkaline or solvent cleaner.

Product Control

- Spray/fog application: do not reuse collected product from spray booths or drip pans.

Scan QR for more

product information and photos

Availability

ZERUST®/EXCOR® Axxanol™ 750 is sold as a ready-to-use liquid product. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Quantity*
350-M-00019PL	5 Gal (19 L) Pail
350-M-00019DR	55 Gal (208 L) Drum

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

Protection Info‡

Indoor (unpackaged)‡	For VCI, use in packaging*
Indoor (w/ ZERUST® VCI packaging)‡	For years‡**
Outdoor‡	Not recommended
Closed system‡	Up to 3 years‡
Humidity ASTM D1748	Minimum 600 hours
Salt spray ASTM B117	Up to 40 hours
Compatible with packaging	Yes**
Vapor Inhibiting Ability (VIA)	Pass (TM0208)

* For Axxanol™ 750 protection without VCI see Axxanol™ 750-NV.

** Test before use with PE bags that are in direct contact with the coated surfaces. Sintered and/or cast metal surfaces treated with oil-based products when exposed to hot, humid conditions and in direct contact with the PE bags may potentially have some brownish oil staining.

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.
- Reseal or close the container cap after each use.

Disposal

- Dispose of in accordance with local, national, and international regulations.
- Product in an unopened original container prior to use does not meet criteria for hazardous waste according to 40 CFR 261 (no components listed on F, K, P, or U lists; not ignitable, not corrosive, not reactive, and not toxic).

Precautions

- The product may leave brownish stains on surfaces over time when used under certain conditions. Test before use and/or discuss with your ZERUST®/EXCOR® representative.
- Always mix well before use.
- Avoid placing metal surfaces in direct contact with wood or cardboard (sources of moisture and acid).
- 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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