

Axxanol™ 758

Technical Data Sheet

ZERUST®/EXCOR® Axxanol™ 758 is a rust preventative oil coating incorporating ZERUST® Intelligent Counter-Corrosion Technologies (ICT®), which consists of high-performance non-staining contact inhibitor with dual-action slow and fast release Vapor Corrosion Inhibitors (VCI). When shipped or stored in enclosed packaging, Axxanol™ 758 forms a clear, thin, oily film that provides a moisture barrier and ZERUST® VCI chemistry that migrates to metal surfaces in hard-to-reach voids, crevices, and chambers, providing powerful corrosion protection. Use Axxanol™ 758 by spraying, misting, or fogging to safely protect closed systems, metal components, machined and cast parts, engines, molds, and more for years† in applications using packaging.

After application, we recommend packing the coated parts into ZERUST® VCI film packaging for robust corrosion protection. The additional VCI molecules from the packaging complement the protection provided by Axxanol™ 758, with the VCI settling onto exposed metal surfaces inside the enclosure. 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™ 758 is not formulated with barium or heavy metals and complies with Global Automotive Declarable Substance, TSCA, RoHS, and REACH SVHC requirements.

For over 50 years, beginning with the invention of Vapor Corrosion Inhibiting (VCI) film packaging and the development of Intelligent Counter-Corrosion Technologies (ICT®), 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	Amber oil results in a clear, thin, oily, moisture-barrier film.
Substrates	Multimetal protection
Dosage (spray/fog)*	200 mL/m ³
Wet film thickness (WFT)	2 mil (50 µm)
Engine oil compatibility†	Compatible with most mineral and synthetic oils (test before use).
VOC content EPA Method 24	0.15 lb/gal (18 g/L)
Flashpoint ASTM D93	248°F (120°C)
Kinematic viscosity	≈ 22.1 cSt @ 104°F (40°C)

*The recommended dosage is based on internal laboratory testing under controlled conditions. This dosage is intended as a general guideline and may vary depending on the specific application (surface area, contamination, porosity), environmental factors, and operational conditions. For customized recommendations tailored to your particular operation, please contact your ZERUST®/EXCOR® account representative.

†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 to 110°F (43°C) 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™ 758 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™ 758 is sold as a ready-to-use liquid product. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Quantity*
350-M-00107PL	5 Gal (19 L) Pail
350-M-00107DR	55 Gal (208 L) Drum

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

Protection Info†

Indoor (unpackaged)†	Not recommended. For Axxanol™ 758 protection without VCI see Axxanol™ 758-NV.
Indoor (w/ ZERUST® VCI packaging)†	For years†
Outdoor†	Not recommended
Closed system†	Up to 3 years†
Humidity ASTM D1748	Up to 2,000 hours
Salt spray ASTM B117	Up to 40 hours
Compatible with packaging	Yes
Vapor Inhibiting Ability (VIA)	Pass (TM0208)

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 to minimize exposure to air and moisture.

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

- Always mix well before use.
- Axxanol™ 758 is hygroscopic and sensitive to moisture. Prolonged exposure to air and moisture may cause the product to absorb water and gel. Keep the container tightly closed when not in use.
- Axxanol™ 758 provides a degree of lubricity to coated surfaces; however, it has not been tested for specific torque-to-turn values. Customers are encouraged to conduct their own testing to confirm suitability for their application needs.
- 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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