



# ZERUST® Axxanol™ 718-ESS

## Technical Data Sheet

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### Product Description

ZERUST® Axxanol™ 718-ESS is a ready-to-use, solvent-based electrical corrosion inhibitor spray that forms a thin, water-displacing, non-staining, non-hardening soft film to protect metal and electronic components in environments exposed to humidity and acid gas vapors. The coating provides corrosion protection and light lubrication while maintaining electrical conductivity, making it suitable for use on electronic assemblies, cabinets, junction boxes, connectors, hinges, machinery, and sliding parts. After application, the carrier solvent fully evaporates, leaving a transparent protective film that does not alter component performance. The product is designed for in-service maintenance (power off during application), indoor use, and short-term outdoor exposure, and contains no CFCs or 1,1,1-Trichloroethane. It conforms to key aspects of MIL-PRF-81309H.

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### Typical Applications

- Electrical cabinets, control panels, and junction boxes in refineries, terminals, and processing facilities
- Instrumentation, switchgear, and connectors exposed to humidity and corrosive vapors
- Valve actuators, hinges, and moving mechanical components
- Skids, packaged equipment, and MCC rooms
- Indoor and short-term outdoor protection during operation, maintenance, or shutdowns

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### Key Advantages

- Safe for energized equipment (power off during application)
- Does not affect electrical conductivity
- Leaves a soft, transparent, non-hardening protective film
- Water-displacing and humidity resistant
- Conforms to key aspects of MIL-PRF-81309H

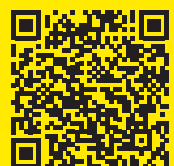
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### Application Guidelines and Removal\*

- Apply by spray (aerosol or spray bottle) to clean, dry surfaces
- Shut off power before application
- Allow solvent to evaporate completely before re-energizing
- Typical drying time: ~60 minutes at 70°F (21°C)
- Remove with mineral spirits and lint-free cloth

\*Consult a ZERUST® representative to discuss specific needs.

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product information

## Typical Properties

Properties**	Details
Appearance	Amber liquid, dries to soft transparent film
Substrate	Multimetal
Coverage	~815 ft <sup>2</sup> /gal (76 m <sup>2</sup> )
Wet Film Thickness (WFT)	2 mil (50 µm)
Dry Time	~60 min @ 70°F (21°C)
Flash Point	145°F (63°C)
VOC	Spray 6.02 lb/gal; Aerosol 7.52 lb/gal
Viscosity	Water-like

\*\*Typical values are not meant to be a specification.

## Availability

Contact a ZERUST® representative for ordering information.

Product Number	Unit of Measure***
350-M-00092AC	12 oz aerosol (12/case)
350-M-00092PT	16 oz spray bottle (12/case)

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

## Storage

Store in original, tightly sealed containers in a cool, dry area at 50-90°F (10-32°C), away from direct sunlight, for up to 2 years.

### † 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](http://www.zerust.com/warranty).

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### Contact Us



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With over 50 years of experience, ZERUST Integrity Solutions®, a division of Northern Technologies International Corporation (NTIC), creates unique inhibitor-based corrosion prevention solutions to serve terminals, pipelines, exploration and production, equipment suppliers, transportation sectors, and more.

ZERUST Integrity Solutions, ZERUST®/EXCOR®, and Natur-Tec® are sister companies under NTIC.

