

ZERUST®/EXCOR® Axxanol™ 33 rust preventative oil provides powerful corrosion protection against aggressive environments such as salt air and humidity for ferrous and some non-ferrous metals for up to one year under shelter.

Axxanol™ 33 is an oil-based corrosion preventive coating widely used to replace standard oil in dipping applications. In addition, Axxanol™ 33 is a rust preventative for ferrous and some non-ferrous metals, including aluminum, zinc, and copper, for up to one year under shelter. Typical ZERUST® Axxanol™ 33 applications include corrosion protection for in-line rolling mill applications, cold-rolled sheets and coils, wire bars, and cast and machined metals during shipment and storage.

Axxanol™ 33 forms a thin protective coating that can be removed with most alkaline cleaners. Use Axxanol™ 33 in conjunction with ZERUST® Vapor Corrosion Inhibitor (VCI) packaging for a more robust solution that provides corrosion protection for years.



Benefits

Proven corrosion protection

May be used with ZERUST® VCI Film

Apply by spray, brush, or dip

Multimetal protection

Compatible with most engine oil lubricants

Application Example

A crankshaft protected by ZERUST® Axxanol™ 33 and ZERUST® Ferrous VCI Film arrived without corrosion after traveling in an overseas shipment from Finland to the United States.



Application Type

Storage
Shipping
During Operation
May be used with ZERUST® packaging







Use ZERUST® Axxanol™ 33 alone or with ZERUST®/EXCOR® VCI packaging.

Technical Data

Product Information	Ready-to-use rust preventative oil liquid. The light ambe liquid coating results in a thin, oily film.		
Application	Apply via spray, electrostatic spray, brush, or dip		
	Application temperature	50 to 110°F (10 to 43°C)	
	Coverage*	1358 ft ² (126 m ²) per gal	
	Wet Film Thickness*	30 μm	
	Engine Oil Compatibility†	≤ 10% v/v	
Properties	Removability	Alkaline or solvent cleaner	
	VOC content EPA Method 24	1.03 lb/gal (123 g/L)	
	Flashpoint ASTM D93B	>194°F (>90°C)	
	Viscosity	20-40 cP @73°F, #61, 50 RPM	
	Kinematic Viscosity	Approx. 20.1 cSt @ 40 °C	
Protection Info	Indoors	Up to 1 year	
	Indoors (w/ VCI Packaging)	For years	
	Outdoor	Not recommended	
	Humidity ASTM D1748	> 600 hours	
	Salt Spray ASTM B117	20 - 24 hours	
	Metal types	Multimetal protection	

Storage

Store in a cool (32 to 90°F / 0 to 32°C), dry place and away from sunlight in original packaging for up to 2 years from the date of shipment.

*The theoretical coverage estimates, based on the stated wet film thicknesses (WFT), should be used as a guide only. 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.

†Engine oil compatibility test report performed by an independent lab. Available upon request.

DECLARATION

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations. **LIMITED WARRANTY**

All statements, technical information and recommendations contained herein are based on validations and tests conducted by Northern Technologies International Corporation/ZERUST® or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when shipped to customer. Our obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Northern Technologies International Corporation/ZERUST® or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the products sold. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose. In no case shall Northern Technologies International Corporation/ZERUST® be liable for incidental or consequential damages.

@2013-2023 Northern Technologies International Corporation (NTIC). All Rights Reserved. NTIC is the owner of the following trademarks: ActivPak®, Cor Tab®, EXCOR®, Flange Saver®, ICT®, Natur-VCI®, NTI®, Plastabs®, Z-CIS®, Zerion®, ZERUST®, 洁乐特, Z-PAK® and the Color "Yellow". ABRIGO®, UNICO®, and VALENO® are registered trademarks of EXCOR GmbH, a Joint Venture Partner of NTIC.



Availability

ZERUST®/EXCOR® Axxanol™ 33 is sold as a ready-to-use liquid product. Large quantity pricing is available upon request.

Part Number	Quantity*
350-M-00003PL	5 Gal (19 L)
350-M-00003DR	55 Gal (208 L)

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

Contact Us

Contact your ZERUST®/EXCOR® representative for a corrosion inhibitor system best for your metal assets.



Disposal

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

A product of: Northern Technologies International Corp 4201 Woodland Road Circle Pines, MN 55014

Phone. +1 763.225.6600 Fax. +1 763.225.6645 sales@zerust.com www.zerust.com