

## ▶ Zerust<sup>®</sup> Axxanol<sup>™</sup> 33 Oil

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

Axxanol<sup>™</sup> 33 is an oil-based corrosion preventive coating that is widely used as a replacement for standard oil in dipping applications. Axxanol<sup>™</sup> 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<sup>®</sup> Axxanol<sup>™</sup> 33 applications include corrosion protection for in-line rolling mill applications, cold rolled sheet and coils, wire bar, and cast and machined metals during shipment and storage.

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

### Application Example

A crankshaft protected by Zerust<sup>®</sup> Axxanol<sup>™</sup> 33 and Zerust<sup>®</sup> Ferrous VCI Film arrived without corrosion after travelling in an overseas shipment from Finland to the United States.



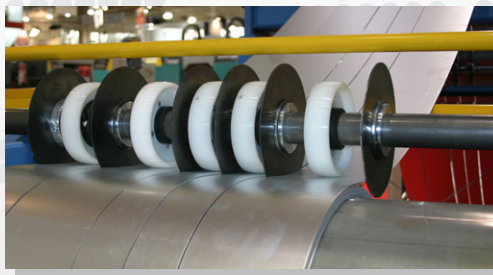
### ▶ Benefits

- Proven corrosion protection
- May be used with Zerust<sup>®</sup> VCI Film
- Apply by spray, brush or dip
- Multimetal protection
- Compatible with most engine oil lubricants
- Non-hazardous\*

### Application Type

- Storage
- Shipping
- During Operation
- May be used with Zerust<sup>®</sup> packaging

\*Product in 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).



Use Zerust® Axxanol™ 33 alone or with Zerust®/Excor® VCI packaging.

## Technical Data

<b>Product Information</b>	Ready to use rust preventative oil liquid. Light amber liquid coating results in a thin, oily film.	
<b>Application</b>	Apply via spray, electro-static spray, brush or dip	
	Application temperature	50 to 110°F (10 to 43°C)
	Coverage (Dip application)	400 ft <sup>2</sup> (37 m <sup>2</sup> ) per gal @1 mil (25 µm) thick
	Engine Oil Compatibility†	≤ 10% v/v
<b>Properties</b>	Removability	Alkaline or solvent cleaner
	VOC content EPA Method 24	1.03 lb/gal (123 g/L)
	Flash Point ASTM D93B	>194°F (>90°C)
	Viscosity	20-40 cP @73°F, #61, 50 RPM
	Kinematic Viscosity	Approx. 20.1 cSt @ 40 °C
<b>Protection Info</b>	Indoors	Up to 1 year
	Indoors (w/ VCI Packaging)	For years
	Outdoor	Not recommended
	Humidity ASTM D1748	> 600 hours
	Salt Spray ASTM B117	Up to 24 hours
	Metal types	Multimetal protection
<b>Storage</b>	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.	

†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.

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## Availability

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

Part Number	Qty
350-M-00003PL	5 Gal
350-M-00003DR	55 Gal

## Non-Hazardous

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

## Safety

- Product in 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).

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

Phone. +1 763.225.6600  
Fax. +1 763.225.6645  
[sales@zerust.com](mailto:sales@zerust.com)  
[www.zerust.com](http://www.zerust.com)

