

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

Zerust<sup>®</sup>/Excor<sup>®</sup> 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. It provides protection for up to one year under shelter.

Axxanol 33 is an oil-based corrosion preventive coating that is widely used as a replacement for standard oil in dipping applications. Axxanol 33 is a rust preventative for ferrous and some non-ferrous metals including aluminum, zinc, and copper for up to twelve months under shelter. Typical Zerust Axxanol 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 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.

### Application Example

A crankshaft protected by Zerust Axxanol 33 and Zerust 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 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 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
<b>Protection Info</b>	Indoors	Up to 12 months
	Outdoor	Not recommended
	Packaging/hermetically sealed	Up to 7 years
	Humidity ASTM D1748	> 600 hours
	Salt Spray ASTM B117	16 - 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.

## 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).

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