



## ▶ Zerust® Axxanol™ 33 Oil

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. 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, copper and solder 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.

The Axxanol 33 protective coating can be removed with most alkaline cleaners. Its thin coating does not interfere with torque or pull-out requirements of parts and was tested by an independent lab to be compatible with engine oil. 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 dries to 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 ft² (37 m²) per gal Layer Thickness Approx. 1 mil (25 µm)	
<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>	Temp	32 to 90°F (0 to 32°C)
	Duration	Up to 2 years

## 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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