



ZERUST® Zeriol™ MCO-35

Technical Data Sheet

Product Description

ZERUST® Zeriol™ MCO-35 is a ready-to-use, oil-based corrosion preventive that forms a clear, thin, oily film to protect ferrous, non-ferrous, and multimetal surfaces in aggressive environments such as humidity, salt air, and marine exposure common to oil & gas fabrication, storage, and export. It also provides lubricity to support handling, inspection, assembly, and disassembly. Zeriol MCO-35 is free of barium and heavy metals and complies with TSCA, RoHS, REACH SVHC, and Global Automotive Declarable Substance requirements.

Typical Applications

Zeriol MCO-35 is used for temporary preservation of oil & gas equipment during storage, transport, or lay-up, including:

- Fabricated piping and spools
- Valves, flanges, and fasteners
- Machined and cast parts
- Structural steel and skids
- Engines and mechanical assemblies
- Multimetal oil & gas components

Key Advantages

- Provides extreme corrosion protection in humid, coastal, and marine environments
- Suitable for ferrous, non-ferrous, and multimetal surfaces
- Forms a clear, thin, oily film that allows easy inspection
- Lubricating properties support handling, assembly, and disassembly
- Compatible with multiple application methods
- Easily removable prior to further processing or commissioning
- Optional color customization or UV tracer for inspection and quality control
- Free of barium and heavy metals
- Compliant with TSCA, RoHS, REACH SVHC, and Global Automotive Declarable Substance requirements

Application Guidelines and Removal*

Application Guidelines:

- Ready to use; mix well before use.
- Apply to clean, dry metal surfaces by immersion, brush, or spray at 50-110°F (10-43°C).
- Allow coated parts to dry 5-10 minutes before handling or packaging.
- For extended protection, package with ZERUST® VCI film packaging products, especially for indoor storage or ocean freight.

Application Controls:

- Do not reuse collected spray material.
- For extended immersion use, consult your ZERUST® representative.
- Use a natural bristle brush and decant into a clean container.

Removal: Remove Zeriol MCO-35 using compatible ZERUST® AxxaWash™, alkaline, or solvent cleaners prior to coating, hydrotesting, or commissioning.

*Consult a ZERUST® representative to discuss specific needs.

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product information



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Typical Properties

Properties**	Details
Appearance	Amber oil resulting in a light, thin, oily film (additional colors available upon request)
Substrate	Multimetal protection
Coverage	815 ft ² (76 m ²) per gallon
Wet Film Thickness (WFT)	2 mil (50 µm)
VOC Content (EPA Method 24)	0.325 lb/gal (39 g/L)
Flash Point (ASTM D93)	212°F (100°C)
Density	0.92 g/cm ³
Viscosity	≈ 350 cPs @ 100 RPM, spindle 63 @ 77°F (25°C)

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

Availability

Contact a ZERUST® representative for ordering information.

Product Number	Unit of Measure***
350-M-00124PL	5 gal (19 L) pail
350-M-00124DR	55 gal (208 L) drum
350-M-00124AC	12 oz (355 mL) aerosol can

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

Storage

Store in original packaging at 50-90°F (10-32°C), away from direct sunlight. Reseal after use. Shelf life is up to 2 years from date of shipment.

† 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.

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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.



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