

Product Data

Nox-Rust® 5300

Rust Preventive Water Displacing Liquid

Description



Nox-Rust 5300 is a brown, oily liquid coating that displaces water and saline solutions to keep corrosion from forming on metal surfaces inside closed systems. It is designed to protect the interior workings of machinery, instruments or equipment, and precision parts. Completely miscible with lubricating oils. Use solvent-based, amber/translucent Nox-Rust 5300 to protect critical bare steel surfaces stored indoors or under cover. For long-term corrosion protection, add VCI barrier film or paper to packaging scenario.

The dry, semi-firm film is good for ferrous and non-ferrous substrates. It dries as an oil film that can be handled after 3-6 hours. Manufactured to Mil-PRF-16173E, Class 1, Grade 3.

Features



Proven Daubert Cromwell corrosion inhibitor chemistry

- Proven to protect steel surfaces in severe environmental conditions and high humidity.
- Safe for use on ferrous and non-ferrous metal substrates.
- Designed for indoor or covered storage during transport.
- OEM approved
- Compatible with Daubert Cromwell corrosion inhibitor papers, films and emitters
- Available in pails, drums, and aerosol cans.

Typical Applications



Water-Displacing Liquid Protects:

- Interior surfaces of machined parts
- Unpainted metal surfaces
- Engines, equipment, machinery in storage
- Apply by dip, spray or brush.
- Protection lasts up to 12 months.

Removal

Easily removed with conventional cleaning methods or petroleum solvents, alkali or emulsion cleaners. Completely miscible with lubricating oils which, in some cases, eliminates the need to remove the coating.

**DAUBERT
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Technical Data

Nox-Rust® 5300

Rust Preventive Water Displacing Liquid

Physical Data

Physical Properties

Typical Values

Color	Brown
Application	Dipping, spraying or brushing down to 40°F
Coverage	3,000 ft ² /gal (73 m ² /l)
Setting Time, hours	½ - ¾
Removal:	Easily removed with conventional cleaning methods or petroleum solvents, alkali or emulsion cleaners.
Film Type	Oily, non-drying
Specific Gravity @ 77°F (25 °C)	0.85
Weight per Gallon	7.1 lbs.
Flash Point (COC)	105°F (40°C)
Viscosity SUS @100°F	81
Film Thickness (mils)	0.4 (0.010 mm)
VOC (lbs/gal)	3.25
Pour Point	Less than 15°F

Length of Protection

Outdoor Storage, Min.	Not recommended
Indoor Storage, covered	6 months

Accelerated Tests

100% RH @120°F (49°C) min.	30 days
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Approvals, Specifications

Manufactured to military specification Mil-PRF-16173E, Class 1, Grade 3.

Storage

Store at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

Shelf Life

24 months from date of shipping, stored in the unopened, original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside. Store unused product in a cool, dry place, away from direct sunlight. Storage outside these conditions voids this statement.

Note

The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility, thus adversely affecting the performance of this coating. If a product other than Daubert Cromwell's recommended product is required, written authorization must be obtained from Daubert Cromwell.

WARRANTY The data, statements and recommendations in this product specification sheet are based on testing, research and other development work, which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. Physical properties shown above represent typical values and are not intended for use in writing specifications. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and use. All products manufactured by us are warranted to be first class material and free from defects in material and

workmanship. Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other material and products. We make no warranty, express or implied, as to the suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

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