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**PRODUCT  
INFORMATION****NOX-RUST® 503 DLS****Description**

NOX-RUST® 503 DLS is for use where water or saline solution must be displaced from corrodible surfaces and the corrosion prevented or arrested. For protection of interior surfaces of machinery, instruments or material under cover for limited periods. For protection of critical bare steel or phosphated

surfaces for extended periods when packaged with satisfactory barrier materials. Nox-Rust® 503 DLS is a solvent type, cold application, rust preventive, low voc soft film that meets Specification Mil-PRF-16173E, Grade 3, Class I.

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**Physical Properties****Typical Values**

Application	Dipping, spraying or brushing down to 40° F
Film Description	Brown, oily
Thickness, mils	0.4 (0.010 mm)
Setting Time, hours	1/2 - 3/4
Flash Point	105°F (40°C)
Pounds per Gallon	7.1
Specific Gravity	0.85
Volatile Organic Compounds (lbs/gal)	3.25

**Protective Qualities (Typical Values)**

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

**Accelerated Tests**

100% RH @ 120°F (49°C) min.	30 days
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NOX-RUST® 503 DLS can be removed by conventional cleaning procedures or petroleum solvents, alkali or emulsion cleaners. The product is completely miscible with lubricating oils which, in some cases, eliminates the need for removal of coating.

## Surface Preparation

The maximum performance of NOX-RUST® 503 DLS can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Daubert Chemical Company recommends that the metal substrate temperature be 50-95°F (10-35°C) at the time of product application.

## Application

NOX-RUST® 503 DLS is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If the product thickens due to cold storage or loss of solvent during use, contact Daubert Chemical Company. DO NOT THIN NOX-RUST® 503 DLS. Incorrect thinning will affect film build, dry time and product performance. Daubert Chemical Company recommends that the ambient and product temperature be 50 - 95°F (10 - 35°C) at time of application. NOX-RUST® 503 DLS can be spray or dip applied.

## Removal

NOX-RUST® 503 DLS can be removed with a solvent borne thinner, vapor degreasing, hot alkaline wash, or low-pressure steam. NOX-RUST® 503 DLS can be removed from fabrics by normal dry cleaning procedures. Avoid the use of chlorinated or highly aromatic solvents when

removing from painted surfaces, as these solvents may adversely affect paint.

## Storage

Store NOX-RUST® 503 DLS at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

## Caution

Adequate ventilation is required for cure and to ensure against formation of a combustible liquid. THE PARTIALLY CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT, OR TORCHES. Refer to Daubert's Material Safety Data Sheet for additional handling and first aid information.

## 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 as stated in the lab data section. If a product other than Daubert Chemical Company's recommended product is required, written authorization must be obtained from Daubert Chemical Company.

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**CAUTION:** The data, statements and recommendations set forth in this product information 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. 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 particular use or uses.

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REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.

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CHEMICAL COMPANY, INC.

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4700 South Central Avenue ■ Chicago, IL 60638 ■ 1-800-688-0459 ■ or 708-496-7350 ■ Fax: 708-496-7367

Visit our web site at [www.daubert.com](http://www.daubert.com) ■ Our e-mail is [dauchem@daubert.com](mailto:dauchem@daubert.com)

