DAUBERT CROMWELL
The Leading Name in Corrosion Prevention®

12701 S. Ridgeway Ave
Alsip, IL 60803
USA

Toll free: 800-535-3535
888-846-4299
Fax: 708-293-7765

Tel: 708-293-7750
E-mail: info@daubertcromwell.com
www.daubertcromwell.com

Technical Data

Nox-Rust® 5300

Nox-Rust® 5300 liquid is intended for use where water or saline solution must be displaced from corrodible surfaces and the corrosion prevented or arrested. It is designed for protection of interior surfaces of machinery, instruments or material under cover for limited periods. Use to protect critical bare steel or phosphated surfaces for extended periods when packaged with satisfactory barrier materials. Nox-Rust® 5300 is a solvent-type, cold application, rust preventive, low VOC, soft film that meets specification Mil-PRF-16173E, Grade 3.

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
Volitile 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

Nox-Rust 5300 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 5300 can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Daubert Cromwell recommends that the metal substrate temperature be 50-95°F (10-35°C) at the time of product application.

Application

Nox-Rust 5300 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 Cromwell. DO NOT THIN. Incorrect thinning will affect film build, dry time and product performance. Daubert Cromwell recommends that the ambient and product temperature be 50 - 95°F (10 - 35°C) at time of application. Product can be spray or dip applied.

Removal

Remove with a solvent borne thinner, vapor degreasing, hot alkaline wash, or low-pressure steam. Remove 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 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 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 Cromwell's recommended product is required, written authorization must be obtained from Daubert Cromwell.

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The data, statements and recommendations 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. 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.

WARRANTY – 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.

Daubert Cromwell, 12701 S. Ridgeway Ave., Alsip, IL 60803 USA 800- 535-3535 Tel: 708-293-7750 Fax: 708-293-7765