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Technical Data

NOX-RUST® 7100 LIQUID

(Solvent-type, thin soft film, water-displacing)

Nox-Rust 7100 is applicable to most plant and interplant operations. It is used for the protection of interiors of machines under cover, and particularly will not clog dies of stamping machines. It is used on springs, stampings, saws, machine tools, engines, compressors, refrigeration and aviation parts, watch-maker and precision tools, gear shafts, sockets, hammers, cutting tools, steel plates, taps, drills, bearings, bearing races, knife blades, gear parts and cold rolled steel, and many other applications.

Nox-Rust 7100 not only displaces moisture, but will not emulsify in the presence of alkali. It will quickly separate alkaline water displaced from metal surfaces. This non-emulsifiable rust preventive and water displacer will give a protective film upon evaporation which is non-staining and almost non-apparent, except for the sparkling luster it provides to treated parts.

Physical Properties of Compound

Consistency:	Low viscosity liquid
Flash Point:	100°F. minimum
Wt/Gal.	6.65 pounds (average)

Protective Properties

Outside Storage:	Not recommended
Outside Storage, Covered:	Up to 3 months
Inside Storage:	6 months -1 year
Inside Storage, Packaged:	Up to 3 years

Accelerated Tests

Humidity Cabinet Test
Nox-Rust 7100 will protect steel exposed to 100 percent humidity at 120°F for a minimum of 30 days.

Film Character

Thin, transparent and almost non-discernible.
Apply by cold dip, spray or brush.

Coverage

Up to 2,000 sq. ft./gal.

Removal

In most cases, not necessary. However, removal can be effected through the use of petroleum solvents, alkaline cleaners or vapor degreasers.

Water Displacement

Effective moisture displacing action occurs in both spray and brushing application. However, in cases where large volumes of water, liquid alkaline cleaner, or soluble cutting fluids are to be displaced from fabrications, it is recommended to agitate parts in a dip tank provided with a bottom drain for separation of the displaced liquids.

Surface Preparation

The maximum performance of Nox-Rust 7100 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 7100 is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If 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. Recommended ambient and product temperature is 50-95°F (10-35°C) at time of application. Nox-Rust 7100 can be spray or dip applied.

Removal
Removed with a solvent-borne thinner, vapor degreasing, hot alkaline wash, or low-pressure steam. Remove from fabrics by normal dry cleaning procedures. Avoid 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.

Rev. SD 9/01
Rev. JEB 3/06 *(Company name, address, phone fax, web site only)*
Rev. 9/07; 5/16 JEB *(7100 name only)*

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.

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