

# Product Data

# Nox-Rust® 1150

## Rust Preventive Liquid

### Description



Nox-Rust 1150 is a solvent-free, thixotropic corrosion inhibitor coating that provides superior protection for metal equipment and fabricated parts during extended periods of outdoor storage and shipment. The oil-based, blue liquid is easy to apply and remove. It is recommended for use as a coating or dip on metal parts that will be exposed to harsh environments for long period of time.

Nox-Rust 1150 is a soft, grease-like, self-healing blue coating that can be applied by brush or spray. It becomes fluid with agitation. No dilution required.

### Features



#### *Proven Daubert Cromwell corrosion inhibitor chemistry*

- Metal protected: Ferrous
- Protection: Up to 5 years indoors; Up to 2 years outdoors, covered or tarped.
- Solvent-free thixotropic RP is semi-solid at room temperature. It will thin to a dip grade viscosity when heated and agitated to 140-160°F (60-70°C).
- Film will heal itself and set up rapidly.
- Will not form a hard film on parts
- Film thickness easily controlled
- Requires no special cleaning procedures. Safe for use in the workplace.
- High flash point allows coating to be applied safely.

### Typical Applications



**OEM**  
APPROVED

#### *Typical applications:*

- Machined and non-machined ferrous metals needing an RP for long-term protection indoors.
- Painted and unpainted surfaces prior to transit and shipment.
- Assemblies and components packed in crates, on pallets, in corrugated and other acidic packaging.
- A non-drying film, Nox-Rust 1150 may be used with other protective packaging or covering when equipment is stored outdoors.

#### *How to Use*

Nox-Rust 1150 is designed to be used out of the container without dilution. Apply by airless spray or dip. When dipping, agitate liquid to ensure the material becomes fluid and completely coats the part. Best coverage in application is achieved when the liquid is applied at 140°F (60°C ).

### Removal

Nox-Rust 1150 can be removed from metal surface;

- By wiping off with a cloth
- With mineral spirits
- Hot alkaline cleaner
- High pressure wash.

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# Technical Data

# Nox-Rust® 1150

## Rust Preventive Liquid

### Physical Data

Physical Properties	Typical Values
Color/Consistency	Blue/Soft Grease
Density	8 lbs/Gal (0.95 kg/L)
Consistency Density Brookfield Viscosity @ 77° F	Soft Grease
Number 3 Spindle @6 rpm	3500 cps
Number 3 Spindle @12 rpm	1950 cps
Number 3 Spindle @30 rpm	1000 cps
Number 3 Spindle @60 rpm	600 cps
Flash Point, ASTM D-92	275° F (135° C)
Solids Content	100%
Film thickness, applied	0.004 in (0.010 cm)
Coverage	400 sq ft/gallon (9.9 sq meter/L)
VOC	<0.20 lb/gal (<0.024 kg/L)
Performance Characteristics	
JAN Humidity, ASTM D-1748, hours	>2000
Salt Fog Resistance, ASTM B-117, hours	>1000
Outdoor Weathering, Chicago, IL area, months	>12
Covered Shed Storage, MIL-C-11796B, years	>3

### Approvals

RoHS compliant  
CAT 1E4968B  
Specified to CAT 1E4973 as a long term corrosion inhibitor.

### Storage

Store sealed, in a dry location, out of direct sunlight in temperatures not to exceed 95°F (35°C) or below 50°F (10°C). When stored properly, Nox-Rust 1150 does not exhibit color change, remains smooth and homogenous with no separation,

### Shelf Life

12 months from date of shipping, stored in the original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside. Store unused VCI liquid 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 as stated.

**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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