

# Product Data

## Nox-Rust® 9300 Rust Preventive Liquid

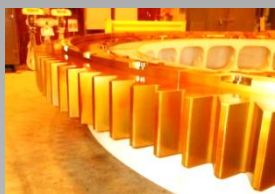
### Description



Nox-Rust 9300 is an all-purpose corrosion preventive liquid concentrate that can be diluted with water or petroleum solvent. The final film is very thin and oily. Intended for use in preventing corrosion on machined parts, tools, phosphate treated steel, finished assemblies, that are stored indoors.

Nox-Rust 9300 is designed for use in many plant applications. The duration of protection is dependent on the degree of dilution. Can be diluted with water where safety regulations prohibit the use of volatile solvents.

### Features



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

- Protects ferrous and non-ferrous metals
- Clings to metal surfaces
- Neat oil dries to touch in 2-4 hours. Dilution will affect dry time. Use of water for dilution may require heated drying to accelerate cure time
- Final film is very thin and oily. Final thickness is dependent on dilution ratio.
- OEM Approved
- Compatible with Daubert Cromwell corrosion inhibitor papers, films and emitters
- Available in 5-gal drums, 55-gal. drums and totes.

### Typical Applications



#### *Typical Applications*

- Use the all-purpose VCI oil in a variety of industrial metalworking applications.
- Shipment and storage of machined parts, tools, treated steel parts and assemblies.
- Hose fittings, connectors, fasteners, and similar
- Dies, tools, spares
- Castings and machined surfaces.
- Corrosion protection lasts 3-9 months indoors.

#### *Surface Preparation and Application:*

The metal surface should be clean, dry and free of rust, oil and mil scale. Metal temperature should be between 50-95°F (10-35°C) at the time of application. Apply by dipping, spraying, or flow coating, either concentrated or diluted.

Can be diluted up to 20:1 with water or mineral spirits as required.

Can be used as a final rinse agent in process washes.

### Removal

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Remove with petroleum solvents, alkaline cleaners, or steam.

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# Technical Data

## Nox-Rust® 9300 Rust Preventive Liquid

### Physical Data

Physical Properties	Typical Values
Color	Amber
Application	Dipping, spraying, or flow coating, either concentrated or diluted.
Dry film thickness	Depends on dilution
Removal	Petroleum solvents, alkaline cleaners, steam.
Film Type	Light, oily, transparent.
Specific Gravity @ 60°F (15.6°C)	0.948 ± 0.01
Density, Weight per Gallon @ 60°F (25°C)	7.9 lbs./gallon
Flash Point (COC)	250°F minimum (120° C)
Viscosity @ 100F, (SUS)	200 Average
Protective Properties	
5% Salt Spray (ASTM-B-117)	170 hrs
Cure time	24 hours
Indoor Storage	3-9 months
Metals Protected	
Carbon Steel	Protection
Stainless Steel	Protection
Cast Iron	Protection
Aluminum	Protection
Magnesium	Protection
Copper	Compatibility testing recommended.
Brass	Compatibility testing recommended.

### Storage

Store at temperatures between 50-95 °F (10-35 °C). Mild agitation is recommended prior to use. Material may thicken if stored below room temperature. Warm back to room temperature before use.

### 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.

### Approvals

RoHS compliant, OEM approved.  
CAT 1E4968B  
CAT 1E4970  
CAT 1E4971

**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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