

# Product Data

# Nox-Rust® 3700/3700W

## Rust Preventive VCI Liquid

### Description



Nox-Rust 3700 is a multi-metal, vapor corrosion inhibitor solution for void space protection such as pipes, tanks, and other equipment. Assets protected by Nox-Rust 3700 are ready-for-use or commissioning, often without the need for removal. Nox-Rust 3700 completely water-soluble allowing ease of use cleaning processes. No degreasing or stripping is necessary.

Nox-Rust 3700 Winterized has a lower freezing point for the convenience of application and storage in cold temperatures.

### Features



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

- Provides continuous long and short-term corrosion protection for ferrous metals. Compatible with copper and galvanized steel.
- Prevents corrosion on metal surfaces in both vapor and contact phases.
- Does not contain phosphates, heavy metals, or nitrites.
- Replaces hydrocarbon and solvent-based liquids, nitrogen blankets, desiccants and other less dependable or costly preservation alternatives.
- Safe and environmentally friendly.
- OEM Approved



### Typical Applications



#### **Typical applications for Nox-Rust 3700/3700W liquid:**

- Preserve or lay-up boilers, either wet or dry.
- Protect internal surfaces of compressors, turbines, engines, tanks, heat exchangers, pipe systems.
- Protect steam lines, condensate returns, heating and cooling systems.
- Preserve tubes, pipes and vessels.
- Hydrostatic testing



#### **How to Use Nox-Rust 3700/3700W**

Application	Mix Rate	Protection Time*
Hydrostatic Testing	Mix 1% inhibitor with potable water or aqueous testing fluid	1 year
Flush/Flood	Mix 1% inhibitor with potable water	1 year
Spray/Fog	0.5-1.0 oz./ft <sup>3</sup> (0.5-1.0 L/m <sup>3</sup> )	1 year

\* - Protection time assumes equipment is sealed and left undisturbed



#### **Packaging Sizes Available**

5 Gal / 55 Gal and 1000 Ltr IBC

### Removal

Nox-Rust 3700 does not typically need to be removed. There is no build up because the powder is completely water-soluble and is no silica contribution because the powder is 100% silica-free. However, if removal is desired, use a simple cold-water flush water spray.

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# Technical Data

# Nox-Rust® 3700/3700W

## Rust Preventive VCI Liquid

### Physical Data

Physical Properties	Typical Values
Color	Clear to tinted liquid
Solubility	Soluble in water
pH	7-9 (@1% aqueous solution)
Specific Gravity	1.2 g/mL @ 25° C
Freezing point (3700 / 3700W)	0 °C / -40 °C
Flash Point	None
Odor	None to very slight
Viscosity	Similar to water

### Protection

Hot-/cold-rolled steel	Protected
Cast iron	Protected
Silicon steel	Protected
Stainless steel	Protected
Zinc	Protected
Aluminum	Passive
Tinplate	Protected
Copper	Protected

### Approvals

RoHS compliant

### 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).

### Shelf Life

24 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.

**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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