

Product Data

Nox-Rust® 9800

Water-Soluble VCI Liquid

Corrosion Inhibitor

Description



Nox-Rust® 9800 VCI Liquid is a ready-to-use, water-soluble volatile corrosion inhibitor (VCI) liquid. It is designed to protect the interior metal surfaces of enclosed spaces such as turbines, tanks, piping systems, heating and cooling systems. The soft, self-healing film is barely discernable and protects metal surfaces during extended periods of equipment inactivity, such as during storage or lay-up.

Nox-Rust 9800 provides continuous protection against corrosion and oxidation of ferrous and non-ferrous metals including steel, silicon steel, stainless steel, cast iron, zinc, copper, brass and aluminum. Contains volatile corrosion inhibitors designed to protect a variety of metals (multi-metal protection).

Features



Proven Daubert Cromwell corrosion inhibitor chemistry

- Protects ferrous and non-ferrous metals. Will not discolor aluminum.
- Long-lasting corrosion protection, even in the presence of moisture
- Prevents corrosion on metal surfaces in both vapor and contact phases
- Extends into deep and difficult to reach spaces, voids and recesses
- Leaves a thin film that is water and fingerprint displacing.
- Provides immediate protection against oxidation, degradation and discoloration.
- Compatible with Daubert Cromwell VCI papers, films, foam, and emitters.
- Available in 5-gallon (18.9 l) pails, 55-gallon (208 l) drums, and totes.

Typical Applications



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- Nox-Rust 9800 is ready to use out of the container.
- Water-soluble so it will protect in systems where water vapor or high humidity are present.
- Turbines, pipes, tanks and enclosed systems.
- Internal preservation of gas and steam turbines during period of inactivity or mothballing.
- Lay-up of heating and /or cooling systems.
- In-process protection.
- Tank and pipeline preservation.
- Dry lay-up of boilers.
- Fogging or spraying internal void spaces of enclosed systems.

Guidelines for Use



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- Typically, Nox-Rust 9800 is fogged or sprayed into turbines, tanks, containers, pipelines and enclosed systems at a rate of 1 pint (0.4 l) per 2 cubic yards (1.5 m³) of enclosed void space, using commercially available fogger or sprayer systems. Contact Daubert Cromwell for information on appropriate apparatus to achieve the desired coverage.
- No special interior surface preparation is required, and no special treatment of recesses or hard-to-reach areas is necessary.
- Removal is not required. No degreasing or stripping is necessary because the thin, protective film dissolves on contact with water or steam traveling in the system once it is put back in use.
- There is no build-up or residue so the liquid is suitable for use in the steam path in power plants and in other critical areas. Systems do not need to be re-charged or actively maintained during storage, lay-up or mothballing.
- The metal surface will remain clean and corrosion-free. If the system is opened or disturbed for any reason, the vapor phase corrosion inhibitors in Nox-Rust 9800 reapply to any exposed metal, providing continuous protection.

**DAUBERT
CROMWELL**

12701 S. Ridgeway Ave | Alsip, IL 60803 USA | (800) 535-3535
Tel +1 (708) 293-7750 | E-mail: info@daubertcromwell.com | www.daubertcromwell.com



Technical Data

Nox-Rust® 9800

Water-Soluble VCI Liquid Corrosion Inhibitor

Physical Data

Physical Properties	Typical Values
Color	Clear to hazy amber liquid
pH	9.0
Film Type	Thin, soft film
Flash Point	175°F (80°C)
Freezing Point	<68°F (20°C)
Melting Point	N/A
Carrier	Glycol ether
Dosage	1 pint per 2 cu.yds.
Odor	Slight
Density	8.11 lb/gal (0.974 g/ml)

Protection Time

Provides protection for up to 24 months in an enclosed system.

Approvals

RoHS. Prop 65. REACH compliant.

Storage

Store sealed, in a dry location, in unopened boxes, until ready to use. Keep out of direct sunlight in temperatures not to exceed 120 F (49°C) or below 32°F (0°C)

Shelf Life

12 months from date of shipping, when stored in the original, shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside.

Removal

Removal is typically not required however it can be easily removed with water.

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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