

Nox-Rust® 9800 VCI Liquid



Product 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. The specially engineered corrosion inhibitor prevents corrosion on metal surfaces in both vapor and contact phases and will not discolor aluminum, as will many water-based inhibitors. Proprietary VCI formula protects the metal surfaces with which it comes in direct contact and the volatile component is attracted to charged metal surfaces and forms a molecular barrier against oxidation, so difficult to reach recesses and complex shapes and hidden voids are completely protected.

Nox-Rust 9800 is fogged or sprayed into turbines, pipes, tanks and enclosed systems. No special interior surface preparation is required and no special treatment of recesses or hard-to-reach areas is necessary.

With Nox-Rust 9800, 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.

Typical Properties

Appearance:	Clear to hazy amber liquid
Carrier:	Glycol ether
Dosage:	1 pint per 2 cu. yds.
Film type:	Thin, soft film
pH:	9
Freezing point:	<-20°C
Melting point:	N/A
Flash point:	175°F (80°C)
Odor:	Slight
Density:	8.11 lb/gal (0.974 g/ml)

Packaging and Storage

Nox-Rust 9800 is available in conveniently sized 5 gal (18.9 l) pails and 55 gal (208 l) drums.

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

Typical Applications

Nox-Rust 9800 can be used in:

- Internal preservation of gas and steam turbines during periods of inactivity or mothballing
- Lay-up of heating and/ or cooling systems

Applications (cont'd.)

- In-process protection
- Tank and pipeline preservation
- Dry lay-up of boilers
- Fogging or spraying internal void spaces of enclosed systems.

Typically, Nox-Rust 9800 is fogged or misted into 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.

Features

Nox-Rust 9800 contains volatile corrosion inhibitors designed to protect a variety of metals (multi-metal protection). It leaves a thin film that is water and fingerprint displacing and provides immediate protection against oxidation, degradation and discoloration. The oil is ready to use out of its conveniently sized container. It is water-soluble so it will protect in systems where water, water vapor or high humidity are present. Removal is typically not required however it can be easily removed with water. Provides protection for up to 24 months in an enclosed system.

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