

**PRODUCT
 INFORMATION**

NOX-RUST® X-703

Description

NOX-RUST® X-703 is a rust preventive oil concentrate that can be diluted with water or petroleum solvent. The product is intended for use in retarding corrosion during shipment and storage of machined parts, tools, phosphate treated steel, finished assemblies, etc. NOX-

RUST® X-703 is versatile for many in-plant applications. The duration of protection is dependent on the degree of dilution. Water can be used for dilution where safety regulations prohibit the use of volatile solvents.

Physical Properties

Application
 Coverage
 Removal
 Film Type
 Specific Gravity @ 60° F
 Pounds/Gallon @ 60° F
 Flash Point (°F) (COC)
 Viscosity @ 100° F (SUS)

Typical Values

Dipping, spraying, or flow coating, either concentrated or diluted
 Varies with dilution
 Petroleum solvents, alkaline cleaners, steam
 Light oily, transparent
 0.948 " 0.01
 7.9 " 0.1
 250 minimum (120° C)
 200 average

Protective Properties (Typical Values, Not Specifications)

5% Salt Spray (ASTM-B-117-64)			
Dilution (Water)	Sandblasted	Duration in Hours	
		Phosphated	
As furnished	168 (Aver.)	767 (Aver.)	575 (Min.)
1:2		677 (Aver.)	575 (Aver.)
1:5		581 (Aver.)	384 (Aver.)
1:10	24 (Aver.)	253 (Aver.)	168 (Aver.)
1:15	0 (Aver.)		
1:20		78 (Aver.)	24 (Aver.)
Blank		<8 (Aver.)	

Typical Results using Mineral Spirits as a Diluent are: (Tested with 5% salt spray @ 95 EF on sandblasted panels)	
1:1	100 hours
1:2	72 hours
1:3	48 hours

Surface Preparation

The maximum performance of NOX-RUST® X-703 can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Daubert Chemical Company recommends that the metal substrate temperature be 50-95°F (10-35°C) at the time of product application.

Removal

NOX-RUST® X-703 can be removed with mineral spirits, vapor degreasing, hot alkaline wash, or low-pressure steam. NOX-RUST® X-703 can be removed from fabrics by normal dry cleaning procedures. Avoid the use of chlorinated or highly aromatic solvents when removing from painted surfaces, as these solvents may adversely affect paint.

Storage

Store NOX-RUST® X-703 at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

Caution

Adequate ventilation is required for cure and to ensure against formation of a combustible liquid. THE PARTIALLY CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT, OR TORCHES. Refer to Daubert's Material Safety Data Sheet for additional handling and first aid information.

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 in the lab data section. If a product other than Daubert Chemical Company's recommended product is required, written authorization must be obtained from Daubert Chemical Company.

June 23, 2010:kc

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REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.

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