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**PRODUCT  
INFORMATION**

**NOX-RUST® 1031-HV**

**Description**

NOX-RUST® 1031-HV is a metallo-organic, polar type rust-proofing compound specifically designed to protect enclosed automotive body sections. This rust-proofing compound has a thin gel, but low viscosity that allows for film build on vertical surfaces and for seam penetration (capillary action) into areas with metal-to-

metal overlap. The resulting film is amber in color and will repel water, self-heal, and remain flexible to prevent chipping or cracking. Daubert recommends the use of NOX-RUST® 1031-HV wherever a water displacing, long term, inner body corrosion preventive is needed.

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**Physical Properties**

Odor  
Appearance  
Specific Gravity  
Wt/Gal  
Solvent  
Flash Point  
Viscosity, Brookfield LV Spindle #3 @ 30 rpm  
Solids (by weight)  
Wt/Gal of Solvent  
Solids (by volume)  
V.O.C.  
Film Thickness

**Typical Values**

Mild Petroleum Solvent  
Amber, low viscosity, thixotropic liquid  
0.90  
7.55  
Rule 66 Mineral Spirits  
105°F (min.)  
900 cps (25°C)  
38% (min.)  
6.4 lbs/gal  
30%  
4.3 lbs/gal  
6 mils (wet), 2 mils (dry)

**Protective Properties**

Accelerated Corrosion Resistance, 5% Salt Fog at 100°F. ASTM-B-117(6 mils wet, 2 mils dry)  
**>1000 Hours**

Humidity Cabinet (ASTM-D-1748)  
100°F at 100% relative humidity  
**>2000 Hours**

Water Displacement Mil-C-0083933  
**Pass. Adhesion is excellent.**

Creep Mil-C-0083933 (MR)  
**¼-½ inch between overlapping metal panels**

Low Temperature Flexibility  
Mil-C-0083933 (MR)  
**No cracking at -20°F**

High Temperature Flow Resistance  
**No Flow at 300°F.**

Paint Staining  
**Will not stain automotive paint finishes.**

Salt Water Immersion Mil-C-0083933 (MR)  
**One week at 100°F**

## Surface Preparation

The maximum performance of NOX-RUST® 1031-HV 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.

## Application

NOX-RUST® 1031-HV is normally applied by low pressure airless spray equipment with accessory spray wands capable of coating critical areas through existing openings or drilled 1/2 inch access holes. The coating is usually applied in a film thickness range so that one gallon of material will do an average size car. When sprayed at 6 mils wet (2 mils dry), NOX-RUST® 1031-HV will dry to touch in two hours and tack-free overnight.

## Removal

NOX-RUST® 1031-HV can be removed by using Kerosene or Mineral Spirits

## 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.

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

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