

**UNIQUE**  
**WATER SOLUBLE**  
**CORROSION**  
**INHIBITING**  
**POWDER**

**HYDRIN X**

**DAUBERT**  
Corrosion Preventive Solutions

NOX RUST® Hydrin X is a powder based corrosion inhibitor to be diluted with water. NOX RUST® Hydrin X is a new chemical combination with inherent properties not found in any other water-soluble rust inhibitor.

- Good remover of finger prints, hydrolyzed residues from chlorinated solvents
- For preparation of non-corrosive grinding coolant
- Can be used to inhibit rinse waters used for various operations and tests

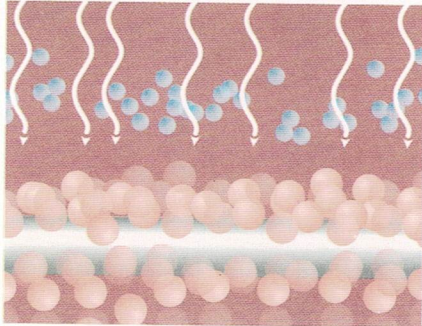


**NOX-RUST®**  
**HYDRIN**

Commonly used water soluble rust inhibitors such as chromate, nitrites, or alkaline materials are not effective in preventing rust except in solution with water.

Water mixed with Hydrin X provides excellent protection to ferrous metals not only when immersed in the solution but also has an extremely important characteristic, which other water-soluble inhibitors do not possess. Ferrous metals coated with Hydrin, accomplished by a dip with 0.5% to 2.0% by weight concentration in water, will not rust for a considerable length of time after removal from the solution. The metal will remain rust free even after exposure to numerous condensation cycles. No other water-soluble inhibitor will do this. This property of Hydrin is called residual protection.

Hydrin X acts on Daubert's proprietary CCI technology.



**Nox Rust®**  
Polar molecules do not allow  
any oxidizing material to permeate

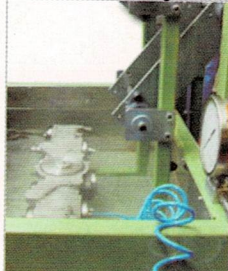
This residual protection property, which Hydrin possesses, makes it ideal for following applications:

- Fortifying rinse waters in industrial cleaning operations.
- Use for the hydrostatic testing of such products as pumps, fuel tanks, compressors, radiators etc.
- For "in plant" protection of processed or semi-processed parts to keep them rust free during storage, between operations and during assembly line work. For this purpose as Hydrin leaves no visual film and for almost all-further processing, no removal is necessary.
- Hot Hydrin solutions are excellent fingerprint removers. They wet the metal readily and solubilize fingerprint contamination.
- Can be added to Process Fluids (Coolants, cleaners etc) to enhance corrosion protection properties.

Hydrin in Coolant



Hydrin in Leak Testing



Hydrin for Rinsing



# HYDRIN X

## Water Soluble Rust Inhibiting Powder

### Physical Properties

#### Appearance

Free-flowing white powder.

#### Solubility

Easily Soluble in water.

#### pH

9.0 (@1% aqueous solution)

#### Melting point

Not applicable

#### Flash point

None

#### Odor

None

#### Packaging

1 kg pack

### Typical Applications

#### Water Inhibition

0.1% of water

#### In Plant Processing or Storage

1% to 2 % by weight depending upon the degree of protection and plant storage conditions

#### Hydrostatic Test Work

1% to 2 % by weight depending upon the amount of residual protection needed

#### Fingerprint Remover

1% to 2 % by weight in hot water

#### Grinding Coolant

1% to 2 % by weight

**DAUBERT**

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