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NOX-RUST® VCI Powder 1010SFG

PRODUCT DESCRIPTION

A water soluble, silica-free volatile corrosion inhibitor (VCI) designed to protect the interior metal surfaces of enlosed systems, such as boilers, tanks, turbines, heat exchangers and steam and condensate pipelines. This is particularly useful during extended periods of equipment inactivity including storage or lay-up or during and after hydrostatic testing.

PHYSICAL PROPERTIES

Property	
Appearance	Free-flowing off-white powder
Solubility	Soluble in water, up to 10g/100ml @ 25°C.
pH	6-9 (@10% aqueous solution)
Melting point	>90°C
Odor	Slight ammonia odor

INHIBITOR PROTECTION

24 months minimum, inside dry storage.

Metal	Corrosion Protection
Mild Carbon Steel	Provides full protection in contact, vapor phase and at the interface.
Copper	Compatible

SURFACE PREPARATION

Remove dirt, oil, grease and loose run according to job specifications.

DRY APPLICATION

Powder should be sprinkled or fogged into the interior so that the surface of the metal is covered with the powder. For pipes the following estimates can be used.

Diameter of pipe, ft	Usage in lbs per 50 cubic ft
< or =1	0.5
1-3	1
3-6	2
6-9	3
9-12	4

For other applications, use 5lb/3000 sq. ft of surface area (8 gm/sq. meter).

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WET APPLICATION

When applying the powder in an aqueous solution, add 0.5 to 1.0% Nox-RustSFG to water. Close all external openings to properly contain the VCI.

SHELF LIFE

Suggested shelf life is two years. This shelf life statement is only valid for product stored in the original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures. Storage outside these conditions voids this statement.

SMD:6/29/2010

The data, statements and recommendations in this product information 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.

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