

Product Data Sheet

NACORR[®] 1652 Rust & Corrosion Inhibitor



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NACORR 1652 is a liquid corrosion inhibitor based on the magnesium salt of an aromatic sulfonic acid.

ADVANTAGES: Improves corrosion resistance as it passivates the metal
Synergistic results are obtained in combination with anti-corrosive pigments
Improves water resistance by providing a barrier effect and reducing water permeation of the coating
Better stability, exhibiting good in-can viscosity stability

TYPICAL PROPERTIES:	Appearance	Clear, dark amber liquid
	% Active	50
	Specific gravity, 25°C	1.0
	Volatile	2-Butoxyethanol
	% Magnesium	1.3

APPLICATIONS: NACORR 1652 can be used in most types of aqueous air dry and thermoset coatings. Recommended in waterborne primers, general industrial and maintenance coatings.

TYPICAL USAGE LEVELS: 1-3% based on the total weight of paint if used as the sole anti-corrosive agent. When used in combination with other types of corrosion inhibiting pigments, NACORR 1652 should be added at 25-50% of the total anti-corrosive pigment loading.

INCORPORATION: For a detailed discussion of proper incorporation techniques, please refer to the second page of this data sheet.

SHELF LIFE: 36 months from the date of manufacture, when stored at ambient conditions in the original container.

HANDLING & STORAGE: Avoid breathing vapors. Keep the container tightly closed. Store at room temperature away from direct sunlight. For further information, please consult the Material Safety Data Sheet.

REGULATORY: Please refer to Section 15 of the Material Safety Data Sheet for information.

File: 1652_3

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Supersedes: 02/04

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System

Incorporation Method

Solvent Based

Can be post added with mild agitation or added to mill base

Water Reducible With Water in Mill Base

If possible, remove water from the mill base and add it to the letdown. Otherwise, post-add under high agitation.

No Water in Mill Base

Add 0.5-1.0% to mill base by premixing the NACORR, solvent and resin before pigment is added. Add balance to letdown prior to any water addition.

NACORR® 1652

Can be post-added without the addition of co-solvent or neutralizing amine.

Emulsions, Colloids and Dispersions

With No Co-Solvents

Post-add under high agitation during letdown prior to any water addition.

With Co-Solvents

Premix with coalescing solvent prior to addition. A typical ratio of 1:1 is recommended. Next add mixture under high agitation prior to any water addition.

With Co-Solvents and Amines

Premix with coalescent and amine. Add under high agitation prior to any water. A typical starting ratio for premix: 50% NACORR, 45% coalescent and 5% amine by weight.

Powder Coatings

Dry blend with the premix at 1% to 3% based on total weight.