

Product Data Sheet

NACORR[®] 1651 Rust & Corrosion Inhibitor



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NACORR 1651 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
	% Magnesium	1.3
	Specific gravity @ 25°C	0.93
	Volatile	Mineral spirits

APPLICATIONS: Usable 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 1651 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 Safety Data Sheet.

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

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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® 1754

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.

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.

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.

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