Product Data Sheet

NACORR® 1552

Rust & Corrosion Inhibitor

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NACORR 1552 is a liquid corrosion inhibitor based on the zinc 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
Enhances cure rate of amino crosslinked systems
Better stability, exhibiting good in-can viscosity stability
Promotes pigment dispersion when a small amount is used in the grind, thereby reducing grind time, increasing pigment loading, and improving color strength
Improves gloss properties when used as a dispersant in the grind

TYPICAL PROPERTIES:

Appearance	Clear, dark amber liquid
% Active	50
% Zinc	3.5
Specific gravity @ 25°C	1.0
Volatile	2-Butoxyethanol

APPLICATIONS:

Usable in most types of non-aqueous air dry and thermoset coatings
Recommended in solventborne primers and general industrial applications

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 1552 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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