

# Product Data Sheet

## NACORR<sup>®</sup> 1351 Rust & Corrosion Inhibitor



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NACORR 1351 is a liquid corrosion inhibitor based on the calcium 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
- 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

<b>TYPICAL PROPERTIES:</b>	Appearance	Clear, dark amber liquid
	% Active	50
	% Calcium	2.1
	Specific gravity @ 25°C	0.93
	Volatile	Mineral spirits

**APPLICATIONS:**

- Usable in most 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 1351 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.

File: 1351\_4

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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.

File: 1351\_4

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