

# Product Data Sheet

## NACORR<sup>®</sup> 1754 Rust & Corrosion Inhibitor



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NACORR 1754 is a liquid corrosion inhibitor based on an amine 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

|                            |                        |                                 |
|----------------------------|------------------------|---------------------------------|
| <b>TYPICAL PROPERTIES:</b> | Appearance             | Clear, dark amber liquid        |
|                            | % Active               | 35                              |
|                            | Specific gravity, 25°C | 0.90                            |
|                            | Volatile               | 2-Butoxyethanol/n-butyl alcohol |

**APPLICATIONS:** NACORR 1754 can be used in most types of aqueous air dry and thermoset coatings. Recommended in waterborne primers for appliance, coil and automotive 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 1754 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:** 18 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: 1754\_3

Issue Date: 08/04

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® 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.

#### **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.