

# Product Data Sheet

## NACORR<sup>®</sup> 1552 Rust & Corrosion Inhibitor



Science Road  
Norwalk, CT 06852  
United States  
+1-203-866-5551  
www.kingindustries.com

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

<b>TYPICAL PROPERTIES:</b>	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.

File: 1552\_4

Issue Date: 12/27/17

Supersedes: 08/04

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of product evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. Such testing has not necessarily been done by King Industries, Inc. ("King"). The facts, recommendations and suggestions herein stated are believed to be reliable; however, no guaranty or warranty of their accuracy is made. EXCEPT AS STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. KING SHALL NOT BE HELD LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. Any statement inconsistent herewith is not authorized and shall not bind King. Nothing herein shall be construed as a recommendation to use any product(s) in conflict with patents covering any material or its use. No license is implied or granted under the claims of any patent. Sales or use of all products are pursuant to Standard Terms and Conditions stated in King sales documents.

## 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: 1552\_4

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of product evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. Such testing has not necessarily been done by King Industries, Inc. ("King"). The facts, recommendations and suggestions herein stated are believed to be reliable; however, no guaranty or warranty of their accuracy is made. EXCEPT AS STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. KING SHALL NOT BE HELD LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. Any statement inconsistent herewith is not authorized and shall not bind King. Nothing herein shall be construed as a recommendation to use any product(s) in conflict with patents covering any material or its use. No license is implied or granted under the claims of any patent. Sales or use of all products are pursuant to Standard Terms and Conditions stated in King sales documents.