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## RUST INHIBITOR

ARROCHEM'S RUST INHIBITOR is a water-based inhibitor formulated for preventing rust over a wide range of metal substrates including ferrous and non-ferrous metals. It imparts an Anti-Corrosion Barrier based on a unique combination of Diacid and Amino- technology. Testing on this material has been done by the ASTM D 4627 Standard Test Method for iron chip corrosion for water-dilutable metal working fluids.

### **CORROSION TESTING PROCEDURE**

#### **Cast Iron Chip Test:**

Four grams of cast Iron chips were submerged in each of three 50mls solutions. One solution contained 3 percent Rust Inhibitor solution, the other contained 5 Percent Rust Inhibitor solution. The third acts as a control and is straight water. All were diluted with 250 ppm water hardness. After two minutes exposure, the solutions were decanted, and the chips were placed on white filter paper in a petri dish for 24 hours. The filter paper was then visually examined for rust.

The two samples at 3% and 5 % showed no rust formation on either the chips or the paper. The water sample did however show rust on both the paper and on the chips.

#### **General Characteristics:**

Appearance:	Clear Translucent Liquid
Color:	Light Yellow to Dark Amber. May darken with age
Chemical Composition:	Amino Hydrocarbon
Solubility in Water, 25C:	Excellent
Boiling Point:	Approximately 212F
Active Matter:	72%

#### **Application: \***

The dosage ranges from 3% to 10% depending on the acidity of the bath and the application.

\*As conditions may vary, all dosages and guidelines are merely suggested starting points; it is recommended that the user determine the proper conditions for his/her system.