

# JMN SPECIALTIES, INC.

1100 Victory Drive - Westwego, LA 70094

PO Box 1519 - Gretna, LA 70054-1519



## PRODUCT BULLETIN

### AI-60

#### Acid Inhibitor

##### General Description

**AI-60** is a versatile and effective corrosion inhibitor for use in acid cleaning and pickling.

##### Suggested Uses

*Pickling:* For batch pickling in 10% HCL, use 1.5 pounds of **AI-60** per 100 gallons of acid to achieve 99.7% inhibition. If faster speed and less protection is desired, reduce level. Use 1 pound **AI-60** per 100 gallons of H<sub>2</sub>SO<sub>4</sub> for 98% protection. After pickling, rinse and follow with an alkaline wash.

**AI-60** will not promote hydrogen embrittlement. It is soluble in high concentrations of ferric ions.

##### Industrial Cleaning

Use 1% **AI-60** based upon 100% hydrochloric, sulfuric, acetic, phosphoric, or hydrofluoric acids. Use 0.5% based upon 100% oxalic, citric, or sulfamic acids.

##### Typical Performance Properties

<b>AI-60</b>	15% HCL	304SS	70B C	99.9% Inhibition
<b>AI-60</b>	15% HCL	316SS	70B C	99.9% Inhibition
<b>AI-60</b>	15% HCL	1008 steel	25B C	99.6% Inhibition
<b>AI-60</b>	15% HCL	1008 steel	70B C	99.7% Inhibition
<b>AI-60</b>	10% H <sub>2</sub> SO <sub>4</sub>	1008 steel	25B C	98.5% Inhibition
<b>AI-60</b>	10% H <sub>2</sub> SO <sub>4</sub>	1008 steel	65B C	98.5% Inhibition

##### Physical Properties

Color	Dark Amber
Specific Gravity	0.96
Odor	Sharp Solvent
Flash Point	80B F (Neat)
Total Amine Value	128 - 138

##### Availability

**AI-60** is available in UN approved 5 gallon pails and 55 gallon drums.

##### Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.