

## **TECHNICAL DATA SHEET**

### **ACID INHIBITOR 670(S)**

**( AN INHIBITOR FOR USE WITH SULPHURIC AND PHOSPHORIC ACIDS )**

Acid Inhibitor 670(S) is soluble, low foaming liquid inhibitor for use in sulphuric, phosphoric acetic acid, oxalic and sulphamic acid pickling operations at any acid concentrations.

#### **OPERATING PARAMETERS:**

<b>ACID INHIBITOR 670(S)</b>	<b>Mild and low Carbon Steel</b>	<b>High Carbon Steel</b>	<b>Industrial Cleaning</b>
Concentration	1– 3 ml/l	3 – 6 ml/l	0.1 – 0.3 ml/l
Temperature	60 – 80°C	60 – 80°C	60 – 80°C

Acid Inhibitor 670(S) is supplied as a clear liquid and is added to acid solutions in the range from 0.1-0.3 % volume. The average concentration used is 0.2 % of the volume of the acid mixture. For example, every 1,000 liters of pickling solutions, 2 liters of Acid Inhibitor 670(S) are used.

Acid Inhibitor 670(S) may be added with tap water in diluted and concentrated acid. In continuous strip lines where water and acid are added continuously,

#### **MAINTENANCE:**

0.25% – 0.5 % of Acid Inhibitor 670(S) should be added for every Kg of sulphuric acid addition.

#### **REMOVAL OF ACID INHIBITOR 670(S):**

The use of inhibitors in acids in plating cycles is not normally recommended, because they get strongly adsorbed on metal surfaces. Cleaning with alkali cleaners will remove any traces of adsorbed Acid Inhibitor 670(S).

**CAUTION:**

Care should be taken while adding Acid Inhibitor 670(S) to concentrated acids or diluted acids at elevated temperature as fuming/ foaming may occur.

**WASTE TREATMENT:**

Pickling and industrial cleaning bath is acidic and should be neutralized prior to discharge into the sewer..

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