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## PRODUCT DATA

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### AES-A-373D

### INHIBITOR FOR ACID CLEANING

#### DESCRIPTION AND USE

AES-A-373D is a special blend of organic inhibitors for inhibiting corrosion due to Hydrochloric, Sulfuric and other acids. It is used during acid cleaning of cooling water systems, boilers, evaporators and condensers. When used along with the acid, AES-A-373D forms a protective layer on the bare metal surface, as soon as the acid dissolves scale, corrosion and other deposits from the surface. Thus the cleaned metal surface is protected from corrosion attack by acid.

#### APPLICATION AND REQUIREMENTS

When used for cleaning water systems, AES-A-373D is added to the system to be cleaned at the typical rate of 1.0 to 2.0 % of the acid quantity. It can be directly mixed with the cleaning acid or can be dosed in to the cleaning solution.

#### TYPICAL PROPERTIES

Appearance: Clear Yellow To Amber  
Colour Liquid  
Odor: Typical  
Flash Point: 20 ( C )  
Specific gravity: 0.97 – 1.08  
pH: 1.0 -3.0  
Freeze Point: <-4°C (26°F)  
(All values approximate)

#### SAFETY AND HANDLING

Do not take internally. If ingested, drink at least two glasses of water and get medical attention. Contact with eyes causes severe irritation or burns. If eyes are contacted, immediately flush with clear water for 15 minutes and get medical attention. For skin contact, wash with soap and water. Wear goggles and rubber gloves when handling. Immediately change and launder contaminated clothing before reuse. For additional information, the Material Safety Data Sheet is available on request.

#### PACKAGING

AES-A-373D is packaged in 200, 25 and 5 liter (nominal volume) non-returnable plastic drums.

# AES TREATMENT PROGRAMS & SERVICES

## Cooling Water Treatment Programs

Corrosion Inhibitors  
Antiscalants & Antifoulants  
Biocides  
Antifoams

## Boiler Water Treatment Programs

Oxygen Scavengers  
Corrosion Inhibitors ( Pre-Boiler, Boiler and After  
Boiler)  
Deposit Inhibitors ( Sludge Conditioners)  
Antifoams  
Alkalinity Builders

## Potable Water Treatment Programs

Corrosion Inhibitors  
Deposit/ Scale Inhibitors  
Disinfectants

## Fuel Treatment (Solid & Liquid)

Deposit/ Corrosion Inhibitors  
Combustion Catalysts

## Coagulants & Flocculants

Organic & Inorganic

## Odor Control Programs

Masking Agents  
Reactive Odor Control  
Enzymes

## Hard Surface Cleaners

General Purpose Cleaners  
Descalers  
Neutralizers

## Brewery & Bottling Plants

Pasteurizers  
Bottle Washers  
Conveyer Chain Lubricants

## Metal Treatment Chemicals

Cutting Lubricants  
Degreasers  
Passivators  
Phosphatizing Chemicals  
Electroplating Chemicals

## R.O. Water Treatment

Scale Inhibitors  
Membrane Cleaning Chemicals  
ANSI/ NSF Approved Antiscalants

## Thermal Desalination Treatment

Scale and Corrosion Inhibitors  
Antifoams  
Descalers

## Steam & Condensate Programs

Corrosion Control  
USDA/ FDA Approved Additives

## Raw Water & Wastewater Programs

Coagulants      Odor control  
Flocculants      Enzymes  
Disinfectants    Bacterial Spores  
Antifoams      Emulsion Breakers

## Process Treatment Programs

Specialty Chemical Additives

## Commercial Laundry Chemicals

Built Detergents  
Emulsifiers  
Fabric Softeners  
Peroxide Bleach  
Chlorine Bleach  
Scoring Agents

## Services

Technical & Engineering Consultations  
Analytical Services  
Ion Exchange Resins Evaluation  
Reverse Osmosis Cleaning

## Equipment Supply

Water & Wastewater Treatment Plants  
Filters, Pumps  
Tanks  
Chemical Feed Systems  
PH Controllers  
Blow down Controllers  
Automatic Control Systems  
SCADA

Manufactured in the Kingdom of Saudi Arabia by :

The logo for AES, featuring the letters 'AES' in a bold, italicized, red font with a white outline.

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