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## PRODUCT DATA

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### AES-C-308 ALKALINE / CHELANT CIP CLEANER

#### DESCRIPTION AND USE

AES-C-308 is specifically designed for CIP cleaning of Dairy, Fruit juice & Food processing equipment. It is a synergistic combination of alkalis including NaOH & KOH, chelating agents & dispersants that facilitate easy & thorough removal of Organic deposits like proteins & soil, inorganic deposits like scales. The strong dispersant incorporated in the product prevents redeposition of the removed matter.

#### CHEMICAL FEEDING AND CONTROL

AES-C-308 is normally added at a concentration of 1 - 5 %. Use of hot water having a temperature of 60 – 70 Deg C accelerates the cleaning process. The contact time for achieving complete cleaning on the extent of deposition, spray nozzles etc and ranges between 1 -60 minutes. The concentration of AES-C-308 in the cleaning solution can be measured by simple titration. AES service representative will provide the details on application and monitoring of AES-C-308 for your system.

#### TYPICAL PROPERTIES

Appearance: Clear to Pale Yellow liquid  
pH: > 13  
Specific Gravity: 1.32 – 1.36  
Odor: Slightly caustic like  
( All values approximate)

#### STORAGE AND HANDLING

Store in cool and dry place in original containers. Do not store in direct sunlight. Do not mix with any chemical other than that directed by AES Technical representative. In case of Spillage wash the area with plenty of water.

#### HEALTH AND SAFETY

AES-C-308 may be toxic by ingestion. 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 then get medical attention. For skin contact, wash with soap and water. For additional information, ask the Material Safety Data Sheet.

#### EFFULENT TREATMENT

AES-C-308 does not contain any polluting substances, but the alkali value of solutions is high. Neutralization with acid and subsequent filtration may be required before the solution can be discharged to the drainage.

#### PACKAGING

AES-C-308 is packaged in 25 and 200 Liter (nominal volume) 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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