



## PRODUCT DATA

### AES-PC-128 POTABLE WATER CORROSION INHIBITOR



#### DESCRIPTION AND USE

**AES-PC-128** is a stabilized, liquid formulation of cathodic & anodic inhibitor utilized for the treatment of potable water distribution systems. It is designed to inhibit corrosion, The feed of a supplemental alkaline material for pH adjustment may be required to optimize corrosion inhibition. The product may also be used in recirculating process water systems including hydrostatic sterilizers and retorts, warmers and pasteurizers including dairy sweet water systems. **AES-PC-128 is certified by NSF to NSF/ ANSI standard 60 for use in Drinking Water up to a maximum recommended concentration of 26 mg/l.**

#### CHEMICAL FEEDING AND CONTROL

**AES-PC-128** is normally fed continuously to the system being treated by means of a chemical proportioning pump. The most effective means of control is to meter pace the feed pump. The latter flow proportioning method is preferred especially for systems having variable water flow rates and to ensure that the maximum feed rate does not exceed 26 mg/l. Another effective method that can be used where a well pump produces a constant output is to electrically wire the chemical metering pump for simultaneous on/off operation with the well water pump.

**AES-PC-128** is controlled by a phosphate test. The overall product application and the specific chemical feed and control methods employed must be specified by the technical representative servicing the facility.

#### TYPICAL PROPERTIES

Appearance: Clear colorless To Yellow liquid  
Odor : Odorless  
Flash Point: None  
Specific gravity: 1.39-1.44  
pH (undiluted): Less than 3.0  
Freeze Point: 0 °C (32°F)  
(All values approximate)

#### SAFETY AND HANDLING

**AES-PC-128** in concentrated form 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 if irritation persists, get medical attention. For skin contact, wash with soap and water. For additional information, the Material Safety Data Sheet is available on request.

#### PACKAGING

**AES-PC-128** is packaged in 200 and 25 liter (nominal volume) non-returnable plastic drums.

Information given above may be amended without notice.  
Issue#: 1/1 Issue Date Mar. 30, 17

# 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.

## **AES ARABIA LTD**

Environmental & Process Engineering

P.O. Box 105689, Riyadh 11656, Kingdom of Saudi Arabia

Phone: 966 11 4772398 Fax: 966 11 4785456

e-mail: [info@aesarabia.com](mailto:info@aesarabia.com)

[www.aesarabia.com](http://www.aesarabia.com)