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## PRODUCT DATA

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### AES-1555 COOLING WATER MICROBIOCIDES

#### DESCRIPTION AND USE

AES-1555 is a broad-spectrum microbiocide to control the growth of algae, bacteria and slime in both open and closed recirculating cooling water systems. AWC-1555 is suited for a wide variety of applications including microbial control in metalworking fluids and pulp and paper process waters. Some of the benefits of AES-1555 compared to other materials include:

- Very effective against a broad spectrum of organisms including troublesome sulfate reducing bacteria.
- Unlike most non-oxidizing microbiocides, it will function to clean up a biologically fouled system.
- Functions over a wide pH range.

#### CHEMICAL FEEDING AND CONTROL

AES-1555 treatment program is highly dependent upon the degree of microbiological contamination present in the system.

AES-1555 may be shock fed or metered semi-continuously by a pump and timer control apparatus. Specific treatment ranges and control methods employed must be specified by the technical representative servicing the facility.

#### TYPICAL PROPERTIES

Appearance: Light green color  
Odor: Mild Characteristic  
Specific gravity: 1.02-1.05  
pH (undiluted): 3.0 - 5.0  
Freeze Point: 0°C (32°F)  
(All values approximate)

#### SAFETY AND HANDLING

**DO NOT TAKE INTERNALLY.** If ingested, have victim drink several glasses of water and induce vomiting. **GET IMMEDIATE MEDICAL ATTENTION.** Contact with eyes may cause irritation. If eyes are contacted, immediately flush with clear water for 15 minutes. Avoid skin contact, wash with soap and water. The use of goggles or face shield and rubber gloves when handling this product is recommended. For additional information, the Material Safety Data Sheet is available on request.

#### PACKAGING

AES-1555 is packaged in 200 and 25 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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