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## PRODUCT DATA

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### AES-A-366 BIOLOGICAL AND INORGANIC DISPERSANT

#### DESCRIPTION AND USE

AES-A-366 is blend of surfactant with specialized polymer designed to represent one of the best available dispersant for open, recirculating cooling water systems that are prone to contamination by oil, silt, mud, organic impurities and clays. AES-A-366 is a superior dispersant and stabilizer for all cooling water programs. AES-A-366 works excellent in stressed conditions which are found in cooling waters due to high levels of calcium, iron, phosphates or Zinc either, naturally occurring in the feed water or introduced via treatment.

AES-A-366 disperses calcium, iron, silt, oil and slime and prevents their adhesion to heat transfer surface and thus help in maintaining excellent heat transfer and low corrosion rates. It also controls the precipitation of phosphates and Zinc in circulating water with high amounts of calcium, iron or alkalinity, to allow controlled film formation of these corrosion inhibitors at the metal surface and, thus maintain low corrosion rates. It is designed to disperse these contaminants and prevent their deposition even at low velocity areas in the system. It also helps or increase the effectiveness of chlorine by continuous removal of biofilms.

AES-A-366 is compatible with all cooling water treatment chemicals including chlorine. AES-A-366 does not contain heavy metals and does not pose any environmental problems with blowdown water from cooling tower.

#### CHEMICAL FEEDING AND CONTROL

AES-A-366 is normally fed continuously to the system being treated. However, shot feeding may be satisfactory in some circumstances. The product may either be fed neat directly from the shipping container or diluted with water or mixed in a chemical feed tank. Normal materials of construction are satisfactory for the chemical feed system.

#### TYPICAL PROPERTIES

Appearance- Clear Colourless to Yellow liquid  
Flash Point- None  
Specific gravity- 1.00 – 1.20  
pH- 1 to 6  
Solubility- Soluble in water at all proportions  
(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. For skin contact, wash with soap and water. For additional information, the Material Safety Data Sheet is available on request.

#### PACKAGING

AES-A-366 is packaged in 200 and 25liter (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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