AES ARABIA LTD
Environmental & Process Engineering

ISO 9001 BUREAU VERITAS Certification

PRODUCT DATA

AES-A-406M

BOILER WATER OXYGEN SCAVENGER

DESCRIPTION AND USE

AES-A-406M is DEHA based oxygen scavenger specifically designed for high pressure boilers. AES-A-406M is an effective alternative to Hydrazine and other hazardous compounds. AES-A-406M also provides corrosion protection to metal surface. Due to its complete volatility, it also provides protection to condensate lines. AES-A-406M does not produce any toxic or corrosive reaction byproducts nor does it contribute to solids level.

CHEMICAL FEEDING AND CONTROL

AES-A-406M must be fed continuously to the deaerating heater or feed water storage tank and may be fed neat directly from the shipping container or mixed in a chemical feed tank. The product cannot be mixed in its concentrated form with most common chemicals used for treatment and hence it should be dosed separately. Stainless steel or plastic is recommended for the chemical feed system. Copper, copper alloys, and aluminum metallurgy in the chemical feed system must be avoided.
AES-A-406M is normally controlled by a DEHA test on the boiler water. Control ranges can vary widely depending upon both makeup water characteristics and system operating conditions and will be specified by the technical representative servicing the facility.

TYPICAL PROPERTIES

Appearance: Clear Or slightly Hazy, Colorless to Yellow Liquid
Odor: Characteristic
Specific Gravity:0.95-1.04
Flash Point: None
pH (undiluted): 8-13
Freeze Point: 0°C(32°F)
(All values approximate)

SAFETY AND HANDLING

Do not take internally. Do not induce vomiting. 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. For additional information, the Material Safety Data Sheet is available on request.

PACKAGING

AES-A-406M is packaged in 200 and 25liter (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
- Flocculants
- Disinfectants
- Antifoams
- Odor control
- Enzymes
- Bacterial Spores
- 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 :

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