



PRODUCT DATA

AES-A-301 COOLING WATER SYSTEM CORROSION & SCALE INHIBITOR

DESCRIPTION AND USE

AES-A-301 is a formulation specifically designed for circulating cooling water system. In addition to the molybdate the product is formulated with a combination of organic phosphonates, polymeric dispersants andazole corrosion inhibitor specifically selected for systems operated with a wide range of hardness and alkalinity makeup water. With this product, it is usually possible to operate at higher cycles than with competitive all organic products, thus saving makeup water and treatment chemicals. In addition, positive anodic and cathodic inhibitors assure optimum corrosion control.

CHEMICAL FEEDING AND CONTROL

AES-A-301 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 and mixed in a chemical feed tank. Normal materials of construction are satisfactory for the chemical feed system. However, copper, copper alloys and aluminum metallurgy must be avoided.

AES-A-301 is controlled by molybdate drop test or colorimetric procedure. The test procedure normally used employs a simple color comparator to measure the molybdate as sodium molybdate. The specific control ranges vary depending upon system operating conditions and will be specified by the technical representative servicing the facility.

TYPICAL PROPERTIES

Appearance: Clear yellow to golden liquid

Odor: Mild characteristic

Flash Point: None

Specific gravity: 1.06--1.12

pH : 11.0 –14.0

Freeze Point: <5°C (24°F)

(All values are approximate)

SAFETY AND HANDLING

AES-A-301 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, see the Material Safety Data Sheet provided with this product.

PACKAGING

AES-A-301 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.

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

www.aesarabia.com