



PRODUCT DATA

AES-A-273 WATER SYSTEM CORROSION & SCALE INHIBITOR

DESCRIPTION AND USE

AES-A-273 is a stabilized, liquid phosphate silicate formulation utilized for the treatment of potable water distribution systems. The product may also be used in once through cooling water systems and under certain conditions in recirculating cooling applications. It is designed to provide both corrosion and scale control at low treatment dosages.

CHEMICAL FEEDING AND CONTROL

AES-A-273 is normally fed continuously to the systems being treated by means of a chemical proportioning pump. The most effective means of control is to meter pace the feed pump. 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-A-273 is controlled by a total inorganic phosphate test. The most accurate methods employ a boil reversion and measurement with a photometer. The overall product application and the specific chemical feed and control methods employed will be specified by the technical representative servicing the facility.

TYPICAL PROPERTIES

Appearance: Clear Colorless to Pale liquid

Odor: Odorless

Flash Point: None

Specific gravity: 1.11 - 1.15

pH (undiluted): 10-12

Freeze Point: < -10°C (16°F)

(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 irritation. 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-273 is packaged in 200 and 25 liter (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	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

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