



PRODUCT DATA

AES-1408M POTABLE WATER SYSTEM CORROSION & SCALE INHIBITOR

DESCRIPTION AND USE

AES-1408M is a stabilized, liquid polyphosphate and silicate formulation utilized for the treatment of potable water distribution systems. It is designed to inhibit corrosion, stabilize soluble iron and manganese and control scale formation in distribution systems supplying low hardness waters. The feed of a supplemental alkaline material for pH adjustment may be required to optimize corrosion inhibition of copper and steel metallurgies. The product may also be used in recirculating process water systems including hydrostatic sterilizers and retorts, warmers and pasteurizers including dairy sweet water systems. AES-1408M has been approved by the U.S. Environmental Protection Agency for the treatment of potable water up to a maximum recommended concentration of 35 mg/l.

CHEMICAL FEEDING AND CONTROL

AES-1408M is normally fed continuously to the system being treated by means of a chemical proportioning pump. The most effective means of control is to meter pace the feed pump. The latter flow proportioning method is preferred especially for systems having variable water flow rates and to ensure that the maximum feed rate does not exceed 35 mg/l. 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-1408M is controlled by a silica test. Care must be taken to account for the silica in the raw water to assure the proper feed rate is being maintained. The overall product application and the specific

chemical feed and control methods employed must be specified by the technical representative servicing the facility.

TYPICAL PROPERTIES

Appearance: Clear colorless To Slight Hazy liquid
Odor : Odorless
Flash Point: None
Specific gravity: 1.20-1.28
pH (undiluted): 10.0 To 12.0
Freeze Point: 0 °C (32°F)
(All values approximate)

SAFETY AND HANDLING

AES-1408M in concentrated form 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 if irritation persists, 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-1408M 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

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