



PRODUCT DATA

AES-2050F BOILER WATER ANTISCALANT

DESCRIPTION AND USE

AES-2050F is a concentrated phosphate based formulation with combination of carboxylated organic polymer dispersants designed for use as a boiler water treatment. The product is designed for use in boiler systems having softened makeup water and operated on the phosphate cycle.

AES-2050F provides one of the most effective combination of polymers for modern, higher heat transfer boilers. It is specifically formulated so that the product ingredients comply with FDA regulations published in CFR- 21 part 173.310 entitled "Boiler Water Additives". It is USDA registered for use in boilers where steam contacts food or edible products.

CHEMICAL FEEDING AND CONTROL

AES-2050F is normally fed continuously to the system being treated. However, shot feeding may be satisfactory in some circumstances. The product may be fed neat or diluted and mixed in a chemical feed tank with the other materials required to complete the program. Normal materials of construction are satisfactory for the chemical feed system. However, copper, copper alloys, and aluminum metallurgy must be avoided.

AES-2050F is controlled by a phosphate test on the boiler water. The specific control ranges vary depending upon system operating conditions and will be specified by the technical representative servicing the facility.

TYPICAL PROPERTIES

Appearance: Colorless to Yellow or Pale yellow liquid
Odor: Practically none
Flash Point: None
Specific Gravity: 1.20-1.25
pH: 12.0 – 14.0
Freeze Point: < -3° C (27°F)
(All values approximate)

SAFETY AND HANDLING

AES-2050F may be moderately toxic by ingestion. Do not take internally. If ingested, drink at least two (2) 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 if irritation persists, 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-2050 F 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, consisting of the letters 'AES' in a bold, italicized, red font with a white outline.

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