



PRODUCT DATA

AES-MT-735E ACID ETCH CLEANER FOR METAL SURFACE TREATMENT

DESCRIPTION

AES-MT-735E is a concentrated acidic etching cleaner for aluminum, which effectively combines the functions of cleaning, deoxidizing, etching and desmuting stages in single operation.

AES-MT-735E is used at low temperature and does not give rise to sludge in etch tanks nor generate fumes. The product forms a uniform matt finish over a wide concentration range with a low level of metal removal. This low metal removal rate not only conserves product but also facilitates effluent disposal.

AES-MT-735E is ideal for use as a pre-treatment for chromate conversion coatings, brightening, painting and powder coating of aluminum.

CHEMICAL FEEDING AND CONTROL

General dosage range is 3 to 6%. The exact dose of the chemical is depending on type of metal to be treated and its final application.

The technical representative servicing the facility will specify the overall product application and the specific chemical dosages.

TYPICAL PROPERTIES

Appearance: Colorless to Pale Yellow/
Green Liquid

Specific gravity: 1.16 to 1.24

pH: < 3.0

(All values are Approximate)

STORAGE AND HANDLING

Store in cool and dry place in original containers. Preferably store the product drum on pallet. Do not store in direct sunlight. Do not mix with any chemical other than that directed by the AES Technical representative. In case of Spillage wash the area with plenty of water. If required use soda ash for neutralization.

HEALTH AND SAFETY

AES-MT-735E is highly acidic hence during handling use acid resistant gear. Protective clothing, including safety shoes, rubber gloves, goggles or face shield, apron should be worn during handling neat product. Avoid contact with skin, eyes, and clothing.

Do not take internally. If ingested, drink plenty 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, ask the Material Safety Data Sheet.

PACKAGING

AES-MT-735E is packaged in 25 and 200 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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