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## PRODUCT DATA

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### AES-MT-705Z ZINC PHOSPHATIZING FOR METAL SURFACE TREATMENT

#### DESCRIPTION

AES-MT-705Z is a liquid blend of inorganic phosphate with special additives for Zinc phosphating to deposit microcrystalline coating on substrates prior to final finish.

AES-MT-705Z is specially designed Zinc Phosphating product for spray and immersion process to produce fine grained uniform coating on M.S., C.R.S, galvanized steel and electro zinc.

AES-MT-705Z operates at low concentration and moderate temperature to provide excellent corrosion protection and high degree of adhesion to final finish.

AES-MT-705Z forms fine grain deposition and thus help to have excellent adhesion with final finish like powder coating.

#### CHEMICAL FEED AND CONTROL

The exact dose of the chemical is depending on type of metal and final application of the metal that is to be treated.

General dosage range is 2 to 3% with AES-MT-715A or AES-MT-716A and always maintains bath temperature in range of 50 to 55 Deg C.

General dose range for AES-MT-715A or AES-MT-716A is 300ML/ 1000Liter.

AES-MT-715A or AES-MT-716A is to be added just before starting the line.

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

#### TYPICAL PROPERTIES

Appearance: Colorless to Pale Yellow Liquid

Specific Gravity: 1.42 to 1.48

pH of 1% solution: 2.5 to 3.5

( All values 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 other chemical other than that directly by the A.E.S.ARABIA Technical representatives. In case of Spillage wash the area with plenty of water

#### HEALTH AND SAFETY

AES-MT-705Z 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, ask the Material Safety Data Sheet.

#### PACKING

AES-MT-705Z 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



Manufactured in the Kingdom of Saudi Arabia by :

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