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## PRODUCT DATA

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### DESALCURE-BI-3181 MICROBIOCIDES/ DISINFECTANT

#### DESCRIPTION AND USE

DESALCURE-BI-3181 is a broad spectrum fast acting and fast degrading liquid microbiocide for use in ultrafiltration and RO systems. It provides a low cost effective solution for control of microorganisms in membrane systems. DESALCURE-BI-3181 has a broad spectrum activity against algae, fungi and bacteria. DESALCURE-BI-3181 is very effective in removing existing bio-films and inhibits formation of new bio-films. DESALCURE-BI-3181 is readily degradable when diluted. The ingredients of DESALCURE-BI-3181 are suitable for online dosing in feed water to RO plants producing potable water.

#### CHEMICAL FEEDING AND CONTROL

Use DESALCURE-BI-3181 at 5 - 120 mg/l in Feed to industrial ultrafiltration or RO units by either continuous feed or periodic injection. For periodic membrane cleaning and disinfection, use 50 - 500 mg/l in cleaning solution. Specific treatment ranges and control methods employed must be specified and recommended by the technical representative servicing the facility.

#### TYPICAL PROPERTIES

Appearance: Clear Yellow to Amber Liquid  
Odor: Characteristic  
Solubility: Mixable in any proportion  
pH ( 1% Solution in D.I.water): 2.0 – 6.0  
Specific gravity: 1.00 – 1.26  
(All values approximate)



#### SAFETY AND HANDLING

Store in a cool dry place. In accordance with good safety practice, handle with care and avoid contact with eyes and prolonged or repeated contact with skin.

**DO NOT TAKE INTERNALLY.** If ingested, do not give victim anything to drink. **DO NOT induce vomiting.** GET IMMEDIATE MEDICAL ATTENTION. Contact with eyes may cause irritation. If eyes are contacted, immediately flush with clear water for 15 minutes. Avoid skin contact, wash with soap and water. The use of goggles or face shield and rubber gloves when handling this product is recommended. For more information, the Material Safety Data Sheet is available on request.

#### PACKAGING

DESALCURE-BI-3181 is packaged in 200 and 25 liter (nominal volume) plastic drums.

Information given above may be amended without notice.  
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# 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, featuring the letters 'AES' in a bold, italicized, red font with a white outline.

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