



PRODUCT DATA

AES-WI-310 OIL FIELD WATER INJECTION BIOCIDES

DESCRIPTION AND USE

AES-WI-310 is a concentrated, synergistic blend of quaternary ammonium and aldehyde compounds, highly effective for the control of a broad spectrum of aerobic and anaerobic bacteria in oilfield water injection systems.

AES-WI-310 generally gives 100 % kill for both Aerobic and Anaerobic bacteria.

AES-WI-310 can be successfully used in sea water, brine, fresh or produced waters and will combat slime forming and sulfate reducing bacteria and helps in controlling biofouling in water injection lines. These helps in keeping injection lines clean and increase injection efficiency.

AES-WI-310 is effective in wide pH range.

COMPATIBILITY

AES-WI-310 is a free flowing liquid at ambient temperature and is compatible with other water injection chemicals normally used such as Polyelectrolytes, Oxygen scavengers, Corrosion inhibitors and other alternating bactericides.

CHEMICAL FEEDING AND APPLICATION

AES-WI-310 is recommended to be used alternating with other biocide in oilfields. Generally with continuous use of single biocide the microbes develop immunity. Hence after a stipulated period, it is customary to use different biocide. AES-WI-310 is effective for microbial control in water injection, water flooding and other surface equipments. AES-WI-310 is generally dosed after the deoxygenation system to avoid excessive foaming.

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

TYPICAL PROPERTIES

Appearance - Clear Colourless Or hazy to Pale Yellow Liquid

Odor - Mild characteristic

Specific Gravity - 1.03 to 1.12

pH (undiluted) - 1.0 To 6.0

(All values approximate)

SAFETY AND HANDLING

DO NOT TAKE INTERNALLY. If ingested, drink several glasses of milk, egg whites, gelatin solution or water. DO NOT induce vomiting. GET IMMEDIATE 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. If skin is contacted, immediately wash with soap and water. Change and launder contaminated clothing before reuse. 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

AES-WI-310 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 :

AES ARABIA LTD

Environmental & Process Engineering

P.O. Box 105689, Riyadh 11656, Kingdom of Saudi Arabia

Phone: 966 11 4772398 Fax: 966 11 4785456

e-mail: info@aesarabia.com

www.aesarabia.com

In Technical Association with:



American Water Chemicals, Inc.

1802 Corporate Center Lane, Plant City, Tampa, Florida 33563 USA

Phone: 813 246 5448 Fax: 813 623 6678

website: www.amh2ochem.com