



PRODUCT DATA

AES-OF-321D OIL FIELD WATER INJECTION SCALE INHIBITOR

PRODUCT DESCRIPTION

AES-OF-321D is a highly effective, thermally stable scale inhibitor particularly designed for inhibiting the scales formed due to Iron, Calcium & Magnesium Carbonates & Sulfates, and Barium & Strontium Sulfates. It is a carefully selected blend of new generation threshold inhibitors exhibiting a unique combination of dispersion, crystal distortion and sequestering properties in synergy. The product also forms stable, soluble chelates with most of the metal ions at the same time. The product is specially designed for the inhibition of scalants present in highly saline seawater/ brackish water normally used for water injection and formation water in Oil well.

COMPATIBILITY

AES-OF-321D is a free flowing liquid at ambient temperature and is compatible with other water injection chemicals normally used such as Oxygen scavengers, Corrosion inhibitors, bactericides, methanol & ethylene glycol. AES-OF-321D is having good brine tolerance

APPLICATION

AES-OF-321D is recommended for use in producing wells, flow lines and surface equipments, water flood, salt-water disposal systems etc. Continuous injection is the most effective method of treatment. Batch treatment down the high fluid wells and squeeze techniques may also be used for addition of chemicals.

DOSAGE

A dosage of 10-50mg /lit generally controls most of scale problems. The dosage however varies with the type of treatment,

water characteristics and the severity of scaling problem.

TYPICAL PROPERTIES

Appearance: Clear Colourless To yellow Or Dark brown liquid

Odor: Characteristic faint odor

Specific Gravity: 1.05 to 1.20

pH(As is): 2.0 To 9.0

Solubility: Infinite at all proportions in water
(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-OF-321D 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