



PRODUCT DATA

AES-11 OIL FIELD OXYGEN SCAVENGER

PRODUCT DESCRIPTION

AES-11 is a high activity, catalyzed, liquid oxygen scavenger formulated to control corrosion caused by oxygen. AES-11 is a non flammable liquid completely soluble in fresh or saturated brine water.

COMPATIBILITY

AES-11 is a pourable liquid at ambient temperature and is compatible with other chemicals normally used such as Polyelectrolytes, Calcium carbonate scale inhibitors, Corrosion inhibitors and Bactericides.

CHEMICAL FEEDING AND APPLICATION

AES-11 is recommended to control oxygen corrosion of tubular goods in drilling and completion fluids as well as in oil production systems. AES-11 can be added directly to the mud pump section line with a chemical pump or added to the mud pit near the pump section. The technical representative servicing the facility will specify the overall product application and the specific chemical dosages.

DOSAGES

Treatment will vary with application and amount of dissolved oxygen present in the system. An excess of 11-30 ppm sulfite, based on onsite analysis is recommended to control oxygen corrosion.

TYPICAL PHYSICAL PROPERTIES

Appearance: Slightly reddish liquid
Odor: Characteristic
Wt/ml: 1.34 to 1.37
pH: 3.0 – 5.0
Solubility: Infinite at all proportions in water

(All values approximate)

HANDLING PRECAUTIONS

AES-11 is harmful if inhaled. The product is non flammable. It is slightly acidic in nature and contact with eyes and skin should be avoided. Wear protective clothing's and safety glasses during handling.

PACKING

AES-11 is available in 25 liters and 200 liters carboys and 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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