



PRODUCT DATA

AES L-150

SYNTHETIC WATER SOLUBLE LUBRICANT CUM COOLANT FOR METAL WORKING APPLICATION

DESCRIPTION AND USE

AES L-150 is synthetic blend of water-soluble lubricant. The product is formulated with specialized corrosion inhibitor and strong biostatic agent. An active ingredient of the product inhibits corrosion of steel and copper components. Biostatic agent inhibits biological growth and thus prevent bad odour. The product is soluble in water in all proportions. AES L-150 reduces friction and dissipates heat in the water media. The product can be recommended in various applications like sawing, general milling, turning steel, drilling, rolling, tapping, wire drawing, hobbling etc. The best feature of AES L-150 is can be recycled in the system for long periods of time without losing lubricity.

CHEMICAL FEEDING AND CONTROL

AES L-150 is generally diluted to make 10 to 20% solution depending on application and conditions of the system. pH of the 5 to 10% solution will vary according to system volume. Solution pH should not ever drop below 9.2 and increase above 10.5 for corrosion inhibitors to be effective. The corrosion inhibitor will not be effective if a minimum 5% solution is not maintained. We recommended that the pH of the solution be maintained at all times through addition of AES L-150. The product should be added proportionally to make up water introduced in the system.

TYPICAL PROPERTIES

Appearance - Clear Yellow To Amber Liquid
Specific gravity - 1.00 to 1.08
pH - 9.0 to 11.0

SAFETY AND HANDLING

AES L-150 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, see the Material Safety Data Sheet provided with this product.

PACKAGING

AES L-150 is packaged in 25 Liter and 200 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

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