PRODUCT DATA

AES-C-153
WASTE ODOR NEUTRALIZER

DESCRIPTION AND USE

AES-C-153 is an effective odor counteracting agent because it facilitates the interaction and oxidizes the odor causing compounds to a higher oxidation state. These compounds in a higher oxidation state do not cause odors. Odors come from essentially two sources: the decay of organic matter such as waste products from plants or animals and from the interaction of minerals with ground acids or even with water. In all cases the conditions which give rise to odors are organic or inorganic compounds in low oxidation states. Almost without exception, the compounds with disagreeable odors are sulfides, mercaptions, amines and other material in their low oxidation state.

AES-C-153 is extremely versatile. It may be fogged, sprayed, dripped or poured. It is compatible with all known water and sewage treatment chemicals and will not change their properties. AES-C-153 will not kill algae, aerobic or anaerobic bacteria. Laboratory tests have shown that application directly into activated sludge did not harm the bacteria at concentration up to 1000 ppm.

CHEMICAL FEEDING AND CONTROL

1. **Atomize the entire area continuously.** There are atomizing systems available which will disperse fog made from siphoning AES-C-153 directly from the drum, atomizing it and blowing it through perforated piping mounted atop fencing which surrounds the plant.
2. **Pour directly into sludge tanks** at the rate of 0.25 to 1.25 ppm on the basis of sludge liquid. AES-C-153 is designed to remain in solution for 6 hours for a trickle filter plant, 4 hours for the sludge tank type operation. It can be added directly to digesters without killing the needed bacteria.
3. **Fogging.** For small applications such as digester, small lagoon or lift station, a fogging device can be installed directly on drum of AES-C-153.

Dilution:
Light Odors: 30 % Solution W/V
Moderate Odors: 50 % Solution W/V
Severe Odors: Use full strength

4. **Mix with effluent for irrigation Systems.** AES-C-153 has been used successfully when mixed with effluent to eliminate odors from irrigation waters. It has been successful when mixed full strength to 10-25 parts per million parts of effluent.
5. **Spray over sludge** each time it is moved with a pressure sprayer. Outside, spray full strength over drying mounds. Inside, spray solids with a solution of equal parts of water and AES-C-153.
6. **Clean equipment prior to repair.** Spray AES-C-153 full strength on equipment parts, pumps, belts, valves, tanks, etc., to remove typical sewage plant odors before servicing.
7. **Use for housekeeping needs in power plants**. Add to mop water when cleaning floors and rest rooms; put it in a spray bottle and mist draperies, furniture and rest rooms. It can also be used in lunchrooms and lounges, as it is harmless.
8. **Cleanups after sewer backups in homes and public buildings**. After the sewer spillage has been removed, AES-C-153 is quite effective in removing the lingering odor. Use as above in mop water and as a spray.

TYPICAL PROPERTIES:

Appearance: Clear Yellow To Amber Liquid
Odor: Lemon Fragrance
Specific Gravity: 0.99 – 1.02
Solubility in Water: Complete

SAFETY AND HANDLING

Store in a cool dry place. Keep containers tightly closed when not in use. Inhalation not considered a problem. In case of skin contact wash with soap and water. If irritation persists, get medical attention. In case of eye contact immediately flush with clear water for atleast 10 minutes and irritation persists, get medical attention.

PACKAGING

AES-C-153 is packaged in 200 and 25 liter (nominal volume) 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
- Flocculants
- Disinfectants
- Antifoams
- Odor control
- Enzymes
- Bacterial Spores
- 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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