NALCO® 2838

A highly effective Microicide for use in controlling Bacteria including Slime Forming Bacteria and Sulfate-Reducing Bacteria, Fungi (Yeasts and Molds) and Algae in Air Washers and Industrial Scrubbing Systems, Recirculating Cooling and Process Water Systems including those that contain Reverse Osmosis Membranes and Service Water and Auxiliary Systems, Heat Transfer Systems, and Wastewater Systems including Wastewater Sludge and Holding Tanks.  

Active Ingredient: Glutaraldehyde........15.0% 
Inert Ingredients........95.0% 

Total..................100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

First Aid

If swallowed:  
• Call a poison control center or a doctor immediately for treatment advice.  
• Do NOT induce vomiting.  
• Do NOT give anything to drink.

If in eyes:  
• Wash immediately and continuously with flowing water for at least 20 minutes.  
• Remove contact lenses after the first 5 minutes and continue washing.  Obtain prompt medical consultation, preferably from an ophthalmologist.  
• Call a poison control center or a doctor immediately for treatment advice.

If on skin or clothing:  
• Take off contaminated clothing.  
• Wash skin immediately with plenty of water for 15-20 minutes.  
• Call a poison control center or a doctor for treatment advice.

If inhaled:  
• Move person to fresh air.  
• Call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.  
• Call a poison control center or a doctor for further treatment advice.

Note to Physician:  
Aspiration may cause lung damage.  Probable mucosal damage may contaminate the use of gastric lavage.  

If the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

In Case of an Emergency

Emergency Contact Information

1-800-229-3575

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Air Washers and Industrial Scrubbing Systems

Recirculating Cooling and Process Water Systems

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components.

NALCO 2838 should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the basin area.  Addition may be made intermittently (SLUG DOSE) or continuously.  Badly fouled systems can be shock treated with NALCO 2838.  Under these conditions, blowdowns should be discontinued for up to 24 hours.

NALCO 2838 can be used in industrial process water systems that contain ultrafiltration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

Intermittent (slug dose) method

Initial Dose: When the system is noticeably fouled, apply 4.1 to 8.2 fluid ounces of NALCO 2838 per 100 gallons of water in the system.  Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 1.6 to 4.1 fluid ounces of NALCO 2838 per 100 gallons of water in the system weekly, or as needed to maintain control.  Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled, apply 4.1 to 8.2 fluid ounces of NALCO 2838 per 100 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 0.8 to 4.1 fluid ounces of NALCO 2838 per 100 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

Service Water and Auxiliary Systems

NALCO 2838 should be used at the same application rates, and in the same manner as described above.  It should be added to the system at a point that will allow for uniform mixing throughout the system.

Heat Transfer Systems

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Shutters and Rotors, and Pasteurizers and Wanners)

NALCO 2838 should be used at the same application rates, and in the same manner as described above.  It should be added to the system at a point of uniform mixing such as a basin area, pump area or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

Industrial Wastewater Systems

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks)

NALCO 2838 should be added to a wastewater system or sledge at a convenient point of uniform mixing such as the digester.  Add 1.4 to 7.2 gallons (5.4 to 27.0 liters) per 1,000 gallons of wastewater or sledge.

LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use.  THE WARRANTIES MADE IN THIS PARAGRAPH ARE BUYER’S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

DOT & IMDG: PRODUCT IS NOT REGULATED DURING TRANSPORTATION

IATA: UN 3334, Aviation Regulated Liquid, N.O.S. (Glutaraldehyde), 9, PG N/A

NET CONTENTS SHOWN ELSEWHERE ON CONTAINER

Sold By: NALCO Company
1601 West Buel Rd
Naperville, IL 60563-1498

Made in USA

Revised 06/15/2010
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
KEEP OUT OF REACH OF CHILDREN

Concentrated. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes respiratory irritations and symptoms in hypersensitive individuals.

Do not get in eyes, on skin, or clothing. Avoid breathing vapor. Do not swallow.

Wear protective goggles and mask. Use sturdy rubber or neoprene gloves. Wear long-sleeved shirt and long pants. Wash thoroughly with soap and water after handling.

Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS
This product is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewerage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

STORAGE AND HANDLING
NALCO 2838 is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. NALCO 2838 can be stored and handled in baked phenolic-lined metal, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 20.7°F (-7°C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100°F (37.8°C) can be tolerated but the preferred maximum storage temperature is about 60°F (16°C).

A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TFE/PVC† polymer is suitable for gaskets and packing.

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH) approved or purifying respirator equipped with an organic vapor cartridge(s) may be required.

STORAGE AND DISPOSAL
PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticides, empty containers or trash is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. CONTAINER DISPOSAL: Refillable containers. Refill this container with pesticide ends. Do not reuse this container for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean containers before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinse into application equipment or reuse collection system. Then offer for recycling if available; or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

NOTICE
Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

REVISIONS
Revised 06/15/2010

NALCO® 2838


Active ingredient: Glutaraldehyde

Inert ingredients: 

Total: 100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID
If swallowed:
Call a poison control center or a doctor immediately for treatment advice.
Do NOT INDUCE VOMITING.
Do not give anything to drink.

If in eyes:
Wash immediately and continuously with flowing water for at least 30 minutes.
Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.
Call a poison control center or a doctor immediately for treatment advice.

If on skin or clothing:
Take off contaminated clothing.
Rinse skin immediately with plenty of water for 15-20 minutes.
Call a poison control center or a doctor for treatment advice.

If inhaled:
Move person to fresh air.
If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
Call a poison control center or a doctor for further treatment advice.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may compromise the use of gastric lavage.

Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

IN CASE OF AN EMERGENCY endangering life or property involving this product, call (800) 424-9300.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PROCESS WATER SYSTEMS
This product may be used only in industrial air washers and air washer systems which have microbiociding components.

NALCO 2838 should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLOW Dose) or continuously. badly fouled systems can be shock treated with NALCO 2838. Under these conditions, blowdown should be discontinued for up to 24 hours.

NALCO 2838 can be used in industrial process water systems that contain ultrahigh purity water and medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLOW Dose) METHOD
Initial Dose: When the system is noticeably fouled, apply 4.1 to 8.2 fluid ounces of NALCO 2838 per 100 gallons of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 1.6 to 4.1 fluid ounces of NALCO 2838 per 100 gallons of water in the system weekly, or as needed to maintain control.

BADLY FOULED systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD
Initial Dose: When the system is noticeably fouled, apply 4.1 to 8.2 fluid ounces of NALCO 2838 per 100 gallons of water in the system.
Subsequent Dose: Maintain this treatment level by starting a continuous feed of 0.8 to 4.1 fluid ounces of NALCO 2838 per 100 gallons of water in the system per day.

BADLY FOULED systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS
NALCO 2838 should be used at the same application rate, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS
(Evaporative Condensers, Dairy Sweetwater Systems, Hydronic Sterilizers and Recruder, and Pasteurizers and Warmers)

NALCO 2838 should be used at the same application rate, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as the basin area, tank area or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS
(Wastewater Systems, Waste Sludge and Wastewater Holding Tanks)

NALCO 2838 should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 1.4 to 7.2 gallons (5.56 to 27.056 ppm of NALCO 2838) per 1,000 gallons of wastewatcer or sludge.

LIMITED WARRANTY AND DISCLAIMER
Sellers warrant that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER’S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

Before shipping, this product is readied and tested using the standards and procedures of the manufacturer. NET CONTENTS SHOWN ELSEWHERE ON CONTAINER.

Sold By: Nalco Company
1601 West diced Road
Naperville, IL 60563-1198
Made in USA

DOT & IMDG: PRODUCT IS NOT REGULATED DURING TRANSPORTATION
IATA: UN 3334, AVIATION REGULATED LIQUID, N.O.S. (Glutaraldehyde), 9, PG N/A