CHEMTRAD CL-2050

For the Control of Molluscs and Algae, Bacterial and Fungal slimes in Once-Through and Closed-Cycle Fresh and Sea Water Cooling Systems, as a Slighticide for Pulp and Paper Mills. A liquid microicide for use in controlling the growth of sulfate reducing and some forming bacteria in oil and gas applications.

ACTIVE INGREDIENTS:
- Alkyl (C12-C14), C18: dimethyl benzyl ammonium chloride
- OTHER INGREDIENTS
- TOTAL

KEEP OUT OF REACH OF CHILDREN

DANGER: SYSTEMATIC STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear chemical gloves, protective clothing, and rubber gloves. May be (if swallowed) absorbed through the skin, or inhalation. Do not breathe vapor. Wear a MSHA/NIOSH-approved dust/mist filtering respirator number TC22C or a NIOSH approved respirator with any N, R, P, or R filters. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS
This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.

FIRST AID

In case of contact:
Hold eyes open and rinse immediately with plenty of water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes. Continue rinsing.

In case of ingestion:
Give 1-2 glasses of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or physician.

In case of burns:
Flush area gently by running water for an unknown period.

In case of skin contact:
Remove contaminated clothing and wash before reuse.

In case of inhalation:
Remove person to fresh air. If not breathing, give artificial respiration, preferably by mouth to mouth, if possible. If unconscious, call a poison control center or doctor for assistance.

NOTE TO PHYSICIAN Probable hazardous damage may consist of edema of air passage.

HOT LINE NUMBER:
FOR HELP IN A CHEMICAL EMERGENCY CALL CHEMTRAD 800-424-9300, BEFORE USING CONSULT MATERIAL SAFETY DATA SHEET.

DIRECTIONS FOR USE

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

CHEMTRAD CL-2050 IS INTENDED FOR INDUSTRIAL USE.

FOR THE CONTROL OF MOLLUSCA, BACTERIA, FUNGI AND ALGAE.

When used as directed, CHEMTRAD CL-2050 helps to effectively control algae, bacteria, fungi and macrofouling species such as clams, barnacles, and mussels in commercial and industrial recirculating and once-through cooling systems, influent water systems, brewery pasteurizers, auxiliary systems and sea water systems. Product addition is to be made with a metering pump. Product is fed continuously or on an as needed basis to maintain control of systems.

BACTERIAL, FUNGAL, AND ALGAL CONTROL IN RECIRCULATING, AUXILIARY AND WASTE WATER SYSTEMS, AND PASTEURIZERS

INITIAL DOSE: As CHEMTRAD CL-2050 at a dosage of 0.24-0.45 grams per 5000 gallons of system water (20-40 ppm), Repeat until the desired level of control is achieved. Heavily contaminated systems must be pre-cleaned.

SUBSEQUENT DOSE: Once control is achieved, add maintenance dosages of 0.2-0.8 quarts of CHEMTRAD CL-2050 per 1,000 gallons of system water (5-20 ppm) weekly or as needed to maintain control. Apply CHEMTRAD CL-2050 to a point in the system where it will be uniformly mixed and distributed, such as the tower sparger.

MACROFOULING CONTROL IN RECYCLATING AUXILIARY COOLING WATER AND WASTE WATER SYSTEMS

INITIAL DOSE: For the control of macrofouling growth such as clams, barnacles, and mussels, add 0.3-2.6 fluid ounces of CHEMTRAD CL-2050 per 1,000 gallons of system water (1-10 ppm). Repeat as necessary to achieve control.

SUBSEQUENT DOSE: When control is evident add 0.3-1.3 fluid ounces of CHEMTRAD CL-2050 per 1,000 gallons of system water (1.5-3 ppm) as needed to maintain control.

Use this product to control potable or domestic water systems. Do not use this water containing residues from one of this product to irrigate crops used for food or feed. Use of the product in either public/municipal or single or multiple family private/residential potable/dinking water systems is strictly prohibited. Use of the product in any cooling water systems that discharges effluents within 1/4 mile of either a public/municipal or single or multiple family private/residential potable/dinking water intake is strictly prohibited. Heavily contaminated systems must be pre-cleaned.

PAPER MANUFACTURING (FOR CONTROL OF BACTERIAL, FUNGI AND ALGAE)

CHEMTRAD CL-2050 can be used as a slighticide in the manufacture of paper and paperboard that contacts product. Apply 0.05-0.1 gallons of CHEMTRAD CL-2050 per 1000 gallons of white water to be treated (0.5-1.0 ppm). Additions of CHEMTRAD CL-2050 are made as a point in the system where mixing action is good.

ONCE-THROUGH COOLING WATER SYSTEMS

Wear safety glasses, rubber gloves and impermeable gowns. Add product directly from drum or add the product at a point where it will be mixed uniformly. Do not discharge effluent containing this product into lakes, streams, ponds, 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

INTERMITTENT FEED

INITIAL DOSE: When the system is noticably fouled, add CHEMTRAD CL-2050 at a dosage of 3.2-6.4 fluid ounces per 1,000 gallons of water (1-3.2 ppm) based on system flow rates. The minimum treatment period should be 6 to 24 hours. Repeat as necessary to achieve control.

SUBSEQUENT DOSE: When control is evident, add CHEMTRAD CL-2050 at a dosage of 0.15-1.3 fluid ounces per 1,000 gallons of water (0.5-3 ppm) based on system flow rates. Additions are made to an in plant monitoring program for macrofouling growth.

CONTINUOUS FEED

INITIAL DOSE: When the system is noticeably fouled, add CHEMTRAD CL-2050 at a dosage of 0.15-1.3 fluid ounces per 1,000 gallons of water (0.5-3 ppm) based on system flow rates. Additions are made to an in plant monitoring program for macrofouling growth. Frequency of feed should be tied to an in-plant monitoring program for macrofouling growth.

SUBSEQUENT DOSE: Maintenance control can be effective through continuous feed of CHEMTRAD CL-2050 at a dosage of 0.05-0.5 fluid ounces per 1,000 gallons of water (0.25-2.5 ppm) based on system flow rates. Additions are made to an in plant monitoring program for macrofouling growth.

HEAVILY CONTAMINATED SYSTEMS must be pre-cleaned.

WATER SOLUTIONS TO PREPARE FIBER GLASS SIZING

CHEMTRAD CL-2050 can be used as a biocide for control of bacteria and fungi in the water solutions that are used to prepare fiber glass sizings. Add 0.1 to 1.0% of CHEMTRAD CL-2050 per 1000 gallons of water that is to be used to prepare a fiber glass sizing solution in order to provide 50 to 500 ppm of active quaternary amine.

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

CHEMTRAD CL-2050 must be added at a point in the system where uniform mixing will occur. The application must be conducted to ensure maximum clarification of CHEMTRAD CL-2050 through the entire internal surface of the pipeline. Injections to the system must be weekly, or as needed to maintain control.

Slag Dose: For a noticeably fouled system, add 300 – 400 ppm CHEMTRAD CL-2050 (2 to 52 quarts CHEMTRAD CL-2050 per 1,000 gallons of water) for 4 – 8 hours based on flow rates. Repeat as necessary until control is achieved.

Subsequent Treatment: Once control has been achieved, add 100 – 200 ppm CHEMTRAD CL-2050 (13 – 26 ounces CHEMTRAD CL-2050 per 1,000 gallons of water) to the system weekly, or as needed to maintain control.

Continuous Treatment: CHEMTRAD CL-2050 can be dosed continuously at a level of 50 – 100 ppm (6.5 to 13 ounces CHEMTRAD CL-2050 per 1,000 gallons of water).

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage:
Open dumping is prohibited. Store in original container in areas inaccessible to children. Pesticide Disposal:
Pesticide wastes are hazardous wastes. Improper disposal of excess pesticide, spray mixture or rinseate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:
Non-refillable container. Do not re-use or refill this container. (Plastic container) Triple rinse (or equivalent). Offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. (Metal container) Triple rinse (or equivalent). Offer for recycling if available or puncture and dispose of in a sanitary landfill by or by other procedures approved by state and local authorities. DO NOT cut or weld metal containers.

UN1903 DISINFECTANTS, LIQUID, CorROSIVE, N.O.S. (ALKYL DIMETHYL BEnZYL AMMONIUM CHLORIDE)

WEIGHT: 100 g

Manufactured by:
ChemTrad, Inc.
10040 Lithopolis Road, Ashland, Virginia 23005 (804) 935-2000

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