MEMCIDE 400

ACTIVE INGREDIENT: (3%) 5-Chloro-2-methyl-4-oxo-tetrahydro-3-amine
Methyl-4-hydroxy-3-sulphonic acid
1.11% 3.93%
INERT INGREDIENTS: 95.96%
TOTAL: 100.00%

KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Contact with eyes causes severe damage. Skin contact causes irritation. May cause severe skin reaction. Harmful if ingested. Harmful if swallowed. Do not get in eyes, on skin, or clothing. Mixers, loaders and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or latex rubber; and waterproof coveralls; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public 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 sewage systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on the label.

DIRECTIONS FOR USE

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

INDUSTRIAL RECLURING WATER COOLING TOWERS: For the control of bacteria, algae and fungi, add MEMCIDE 400 microbicide to the tower basin, distribution box, or some other point to insure uniform mixing. Initial Dose: When the system is noticeably fouled, apply 1140 to 833 ppm MEMCIDE 400 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of MEMCIDE 400 per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 35 to 214 ppm MEMCIDE 400 microbicide (0.3 to 1.8 pounds or 4.5 to 28 fluid ounces of MEMCIDE 400 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

AIR WASH SYSTEMS: Add to the air washer or chill water supply to insure uniform mixing, 35 to 883 ppm MEMCIDE 400 microbicide (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of MEMCIDE 400 per 1,000 gallons of water in the system) depending upon the severity of contamination to control bacteria, fungi, and algae which cause fouling in industrial air washer systems. INTERMITTENT OR SLUG METHOD: Initial Dose: When the system is noticeably fouled, apply 148 to 883 ppm MEMCIDE 400 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of MEMCIDE 400 per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 35 to 214 ppm MEMCIDE 400 microbicide (0.3 to 1.8 pounds or 4.5 to 28 fluid ounces of MEMCIDE 400 per 1,000 gallons of water) weekly or as needed to maintain control. CONTINUOUS FEED METHOD: Initial Dose: When the system is just noticeably fouled, apply 148 to 883 ppm MEMCIDE 400 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of MEMCIDE 400 per 1,000 gallons of water in the system). Subsequent Dose: Maintain this treatment level by adding a continuous feed of 35 to 219 ppm MEMCIDE 400 microbicide (0.3 to 1.8 pounds or 4.5 to 28 fluid ounces of MEMCIDE 400 per 1,000 gallons of makeup water). Badly fouled systems must be cleaned before initial treatment. NOTE: For use only in industrial air washing systems that maintain effective microbiological controls.

INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS: For the control of bacteria, algae and fungi, add MEMCIDE 400 microbicide to the reservoir, recirculation line, or some other point in the system to insure uniform mixing. Initial Dose: When the system is noticeably fouled, apply 148 to 883 ppm MEMCIDE 400 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of MEMCIDE 400 per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 35 to 219 ppm MEMCIDE 400 microbicide (0.3 to 1.8 pounds or 4.5 to 28 fluid ounces of MEMCIDE 400 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

REVERSE OSMOSIS SYSTEMS: MEMCIDE 400 may be used to control microbiological fouling in reverse osmosis systems used for process water and other non-potable applications. MEMCIDE 400 should be fed to the membrane feedwater at a rate of 20 to 120 ppm (2.75 to 15.6 fluid ounces per 1,000 gallons of water). The product should be added continuously for a line period of 1-24 hours. 1-7 days should be added to provide a level of 100-400 ppm (13.75 to 55 fluid ounces per 1,000 gallons) in the feed solution. Note: not registered for use in California.

COMMERCIAL PHOTOPRINTING SYSTEM PRESERVATION: MEMCIDE 400 is recommended to prevent slime formation or accumulation in filters and low exchange resin tanks of commercial photoprinting systems. For the maintenance of a non-fouled system, use MEMCIDE 400 at 32-64 fluid ounces (2.1 lbs - 4.2 lbs) per 1,000 gallons water in the system once weekly or as needed, to maintain control of slime. For a noticeably fouled system, use an initial dose of 64- 154 fluid ounces (4.2 lbs - 10 lbs) per 1,000 gallons water to be followed by subsequent maintenance dosage. A high dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. The preservative should be dispersed into the final rinse or used water collection tank.

CONVEYOR LUBRICANTS: MEMCIDE 400 can be used to control microorganisms in water-based conveyor lubricants. MEMCIDE 400 can either be added to the lubricant concentrate or can be added to the lubricant dilution feed line using a chemical metering pump. In lubricant concentrates, MEMCIDE 400 should be added at a level that will ensure a final use dilution of 200 - 1000 ppm of MEMCIDE 400 (3 - 15 ppm active). When fed to the lubricant dilution feed line, an initial metered dose of 50 - 126 fluid ounces of MEMCIDE 400 per 1,000 gallons should be made to maintain 3 - 15 ppm active MEMCIDE 400 in the diluted conveyor lubricant. Not registered for this use in California.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: This product is corrosive to mild steel. Do not store or transport in unlined metal containers.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or drain 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, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

NONREFILLABLE CONTAINERS: Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Plastic Containers: May be incinerated, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Metal Containers: Must not be incinerated. Do not cut or weld on or near metal containers.

Liquid residual removal statement for nonrefillable containers with capacity of >5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container half full with water and recirc. Shake for 10 seconds. Pour residual into application equipment or a mix tank or store rinsewater for the latter use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Liquid residual removal statement for nonrefillable containers with capacity of >5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container half full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinse into application equipment or a mix tank or store rinsewater for later use or disposal. Repeat this procedure two more times.

Then offer for recycling if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

GENERAL: CONSULT FEDERAL, STATE, OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES. GENERAL PRECAUTIONS AND RESTRICTIONS: Do not apply this product in a way that will contact workers or other persons.

Distributed by:

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Product Weight: 8.4 lbs gal. 1.02 kgfl

NET CONTENTS MARKED ON CONTAINER

Hazard Rating 4 Health 3 Flammability 0 Reactivity 0

Last Revision 04/04/11