



**MAGNUS CHEMICALS LIMITED**

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Tel : 450-655-1344

**MAGNATROL 463A**  
MICROBIOCIDIC SOLUTION

COMMERCIAL

DANGER



POISON            CORROSIVE  
CORROSIVE TO EYES AND SKIN    POTENTIAL SKIN SENSITIZER  
REGISTRATION NO. : 26466  
PEST CONTROL PRODUCTS ACT

DESCRIPTION: A microbiocide for use in controlling slime-forming bacteria, sulfate reducing bacteria, and algae in air washers and industrial scrubbing systems, service water and auxiliary systems, recirculating cooling and process water systems including those that contain reverse osmosis membranes and wastewater systems including wastewater sludge and holding tanks.

READ THE LABEL BEFORE USING.

GUARANTEE:  
Glutaraldehyde .....42.5%  
N-Alkyl (C<sub>12</sub> 40%, C<sub>14</sub> 50%, C<sub>16</sub> 10%)  
Dimethyl benzyl ammonium chloride.....7.5 %

NET CONTENTS : \_\_\_\_\_

PRODUCT CODE MTL 463A	SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (GLUTARALDEHYDE)	
	HAZARD CLASS 8	ID NUMBER UN3265	PG II

EMERGENCY CONTACT (24HOURS PER DAY) :  
CANUTEC: (613) 996-6666

## **MAGNATROL 463A**

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offense under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to person or property that arises from any such use of this product.

## **DIRECTIONS FOR USE**

If product is applied manually, a dust mist respirator must be worn during application. DO NOT open pour more than 20 L of concentrate per day. Use an automatic addition system if using more than 20 L of concentrate per day are transferred. DO NOT contaminate irrigation or drinking water or aquatic habitats by cleaning of equipment or disposal of wastes. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum of 7.5 ppm of clay to 1 ppm of product. DO NOT apply this product more than four (4) times per year. The duration of treatment must be exceed 24 hours per application.

## **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.

**Magnatrol 463A** should be added to a water treatment system at a point of uniform mixing such as the basin area. Additions may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with Magnatrol 463A. Under these conditions, blowdown should be discontinued for up to 24 hours.

**Magnatrol 463A** can be used in industrial process water systems that contain ultra filtration 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 100 mL to 400 mL of **Magnatrol 463A** per 1000 Liters of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 30 mL to 100 mL of Magnatrol 463A per 1000 Liters 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 100 mL to 400 mL of **Magnatrol 463A** per 1000 Liters of water in the system. **Subsequent Dose:** Maintain this treatment level by starting a continuous feed of 15 mL to 100 mL of **Magnatrol 463A** per 1000 Liters of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

## **SERVICE WATER AND AUXILIARY SYSTEMS**

**Magnatrol 463A** should be used at the same application rates, and in the same manner as described above. **Magnatrol 463A** should be added at a point that will allow for uniform mixing throughout the system.

## **HEAT TRANSFER SYSTEMS**

(Evaporative Condensers, Dairy Sweet Water Systems, Hydrostatic Sterilizers and Retorts, and Pasteurizers and once through water Cooling Systems) **Magnatrol 463A** 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, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

## **INDUSTRIAL WASTE WATER SYSTEMS**

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks) **Magnatrol 463A** should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 0.5 Liters to 2.5 Liters (500 to 2500 ppm **Magnatrol 463A**) per 1000 Liters of wastewater or sludge.

## **ENVIRONMENTAL HAZARDS**

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. **DO NOT** discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. The requirements of applicable laws should be determined before using the product.

## **PRECAUTIONARY STATEMENTS**

**DANGER TO HUMANS**

**DANGER**

**KEEP OUT OF REACH OF CHILDREN**

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled, Harmful or fatal if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals. Do not get in eyes, on skin, on clothing. Do not inhale fumes or vapor. Do not swallow. When handling the concentrate and during cleaning, maintenance and repair activities on contaminated equipment, wear coveralls over a long-sleeved shirt and long pants, socks, shoes and chemical resistant gloves, face shield. Wash thoroughly with soap and water after handling. Use only in well ventilated area. Remove contaminated clothing and shoes and wash them before reuse.

## **FIRST AID**

**IF SWALLOWED :** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

### **TOXICOLOGICAL INFORMATION**

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed. Treat symptomatically.

### **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulator agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

### **STORAGE AND HANDLING**

To prevent contamination, store this product away from food or feed.

**Magnatrol 463A** solutions are incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -14°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 38°C can be tolerated but the preferred maximum storage temperature is about 27°C. A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON is suitable for gaskets and packing.

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