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ControlChem 2641 Industrial Liquid Microbicide

FOR INDUSTRIAL USE ONLY

READ THE LABEL BEFORE USING

GUARANTEE:

2,2-Dibromo-3-nitrilopropionamide.....20%

REGISTRATION NO. 25643
PEST CONTROL PRODUCTS ACT
NET CONTENTS: 226 kg

ControlChem Canada Limited
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DANGER CORROSIVE

WARNING POISON

POTENTIAL SKIN SENSITIZER

Controls bacteria, fungi and yeasts in paper mills, metalworking fluids containing water, and enhanced oil recovery systems; controls bacteria and algae in industrial recirculating water cooling towers.

DIRECTIONS FOR USE

NOTE: ADD CONTROLCHEM 2641 INDUSTRIAL LIQUID MICROBICIDE SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES IN ORDER TO AVOID DECOMPOSITION OF CONTROLCHEM 2641 INDUSTRIAL LIQUID MICROBICIDE DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

PAPER MILLS

For the control of bacterial, fungal and yeast growth in pulp, paper and paperboard mills, add ControlChem 2641 Industrial Liquid Microbicide at the rate of 60- 210 mL/tonne of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of ControlChem 2641 Industrial Liquid Microbicide in the mass of fiber and water such as the beaters, jordan inlet or discharge, broke chest, furnish chests, save-alls and white-water tanks. Heavily fouled systems should be boiled out, then treated with 60-140 mL ControlChem 2641 Industrial Liquid Microbicide per tonne of paper (dry basis), as necessary for control. Moderately fouled systems should be treated continuously with 140-210 mL ControlChem 2641 Industrial Liquid Microbicide per tonne of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 60-140 mL ControlChem 2641 Industrial Liquid Microbicide per tonne of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a cleanup of the paper machine may be advisable. Slightly fouled systems should be treated continuously with 60-140 mL ControlChem 2641 Industrial Liquid Microbicide per tonne of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

This product is for recirculating water systems only.

Add ControlChem 2641 Industrial Liquid Microbicide to the basin (or any other point of uniform mixing). Addition should be made with a metering pump. It may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system.

Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 24-48 hours.

FOR CONTROL OF BACTERIA

Add 1.0-10 mL ControlChem 2641 Industrial Liquid Microbicide /1000 L of water in the system, depending on the severity of contamination. Intermittent or Slug Method - Initial Dose: When the system is noticeably fouled, add 5.0-10 mL ControlChem 2641 Industrial Liquid Microbicide /1000 L of water in the system. Repeat until control is achieved.

Subsequent dose: When microbial control is evident, add 3.0-10 mL ControlChem 2641 Industrial Liquid Microbicide per 1000 L of water in the system every 4 days 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, add 5.0-10 mL ControlChem 2641 Industrial Liquid Microbicide per 1000 L water to the system. Subsequently maintain this level by pumping a continuous feed of 0.5-5.0 mL

ControlChem 2641 Industrial Liquid Microbicide per 1000 L of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

FOR CONTROL OF ALGAE

Add 30-95 mL ControlChem 2641 Industrial Liquid Microbicide per 1000 L of water in the system, depending on the severity of contamination. Intermittent or Slug Method - Initial Dose: When the system is noticeably fouled, add 50-95 mL ControlChem 2641 Industrial Liquid Microbicide /1000 L of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 30-95 mL ControlChem 2641 Industrial Liquid Microbicide per 1000 L of water in the system daily, 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 add 50-95 mL ControlChem 2641 Industrial Liquid Microbicide per 1000 L of water to the system.

Subsequent Dose: Maintain this treatment

level by pumping a continuous feed of 30-95 mL ControlChem 2641 Industrial Liquid Microbicide per 1000 of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking concentrates which have been diluted in water at ratios of 1:100 to 1:4. For controlling (or inhibiting) growth of bacteria, fungi and yeast that may deteriorate metalworking fluids containing water, add ControlChem 2641 Industrial Liquid Microbicide to the fluid in the collection tank.

Additions should be made with a metering pump. Initial or Slug Dose: When the system is just noticeably fouled, add 250 mL ControlChem 2641 Industrial Liquid Microbicide per 1000 L of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 100-200 mL of ControlChem 2641 Industrial Liquid Microbicide per 1000 L of metalworking fluid per day or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

ENHANCED OIL RECOVERY SYSTEMS

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts and fungi in oil field water, polymer or micellar floods, water-disposal systems or other oil field water systems, add 1-80 ppm by wt. ControlChem 2641 Industrial Liquid Microbicide (2-60 mL ControlChem 2641 Industrial Liquid Microbicide per cubic metre of water) depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

Continuous Feed Method: When the system is noticeably fouled, add 10-80 ppm by wt. ControlChem 2641 Industrial Liquid Microbicide (10-60 mL per cubic meter of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm by wt. ControlChem 2641 Industrial Liquid Microbicide (2-10 mL ControlChem 2641 Industrial Liquid Microbicide per cubic meter of water) continuously, or as needed to maintain control. Intermittent or Slug Method: When the system is noticeably fouled,

or to maintain control of the system, add 10-80 ppm by wt (10-60 mL ControlChem 2641 Industrial Liquid Microbicide per cubic metre of water) intermittently for 4-8 hours per day, and from 1-4 times per week, or as needed depending on the severity of contamination. Addition of ControlChem 2641 Industrial Liquid Microbicide may be made at the free water knockouts, before or after the injection pumps and injection well headers.

NOTE: For control of bacteria, yeast and fungi in aqueous solutions of biopolymer used in flooding operation, add 15-80 ppm by wt. ControlChem 2641 Industrial Liquid Microbicide (10-60 mL ControlChem 2641 Industrial Liquid Microbicide per cubic metre of water). Additions of ControlChem 2641 Industrial Liquid Microbicide should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence 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 persons or property that arises from any such use of this product.

PRECAUTIONS

- POTENTIAL SKIN SENSITIZER
- KEEP OUT OF REACH OF CHILDREN
- DANGER: CAUSES SEVERE BURNS TO EYES AND MAY BURN THE SKIN
- MAY BE HARMFUL OR FATAL IF SWALLOWED

Hygiene measures: Workmen handling the product should wear chemical resistant gloves, safety glasses or face shield. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide comes in contact with skin through soaked clothing or spills. Then wash skin thoroughly and put on clean clothing. Wash contaminated clothing separate from other laundry prior to reuse. Remove protective clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Skin protection: Wear a long –sleeve shirt, long pants and shoes plus socks when handling.

To maintain product quality, store at temperatures below 60 °C.

Keep package tightly closed when not in use.

Do not ship or store with food, feeds or clothing.

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. The requirements of applicable laws should be determined before using the product. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority.

FIRST AID

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. 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 swallowed, Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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

TOXICOLOGICAL INFORMATION

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 regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean –up of spills.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.