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# **BUSAN® 1078**

## **LIQUID MICROBICIDE**

**INDUSTRIAL**

**READ THE LABEL BEFORE USING**

**REGISTRATION NO.: 19001**  
**PEST CONTROL PRODUCTS ACT**

### **ACTIVE INGREDIENT**

5-chloro-2-methyl-4-isothiazolin-3-one.....1,12 % (by weight)  
2-methyl-4-isothiazolin-3-one .....0,38 % (by weight)

**WARNING**



**CORROSIVE**

**POTENTIAL SKIN SENSITIZER**

NET CONTENTS: Litres; Kilograms

**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 contaminate water, food, or feed by storage or disposal. Do not reuse empty container. Pesticide rinsate that cannot be used or chemically reprocessed should be disposed of in an approved landfill away from water supplies.

**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.

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## **DIRECTIONS FOR USE**

### **PULP AND PAPER:**

Busan 1078 Liquid Microbicide is used to control bacterial and fungal slime in pulp and paper mill systems. Apply 300 to 820 grams of Busan 1078 Liquid Microbicide per tonne of pulp or paper produced, as a slug dose. Required concentrations and frequency of treatment will depend on the rate of slime accretion. Apply at a point of good mixing to ensure uniform distribution in the system.

### **COOLING TOWERS:**

Busan 1078 Liquid Microbicide is used to remove microbiological slime from fouled cooling water systems. Apply 0.03 to 0.87 kg of Busan 1078 Liquid Microbicide per tonne of water treated to the sump or distribution trays, at a point of good mixing. Repeat dosage 2 to 3 times per week or as needed to establish control.

### **OIL FIELD INJECTION WATERS:**

Busan 1078 Liquid Microbicide is used to control slime forming and sulphate reducing bacteria in oil field injection waters at dosages of 180 to 360 ppm depending on the severity of bacterial contamination. Initially, apply 180 to 360 ppm at a point of good mixing. Repeat treatment after 3 days, or as needed to achieve control. To maintain control, apply 70 to 180 ppm every 7 days or as needed.

### **METAL WORKING FLUIDS:**

Busan 1078 Liquid Microbicide is recommended for soluble and emulsifiable type aqueous metalworking fluids, such as emulsified petroleum oils, and formulations containing alcoholic fatty acids, emulsified red oil, or naphthalene sulfonate. These fluids are usually prepared by diluting the product concentrates 1:50 with water.

For the maintenance of a non-fouled system, add 2.12L of Busan 1078 Liquid Microbicide per 10,000L of emulsion, or 2.12L - 5.17 L every 8 - 12 weeks. For a noticeably fouled system use initial dosages range of 4.40L - 5.17 L followed by subsequent dosages depending upon treatment level noted above. An increased frequency of treatment may be required depending on rate of dilution of the preservative with makeup fluid, the nature of severity of contamination, level of control required, filtration effectiveness, system design, etc. Busan 1078 Liquid Microbicide should be dispensed into the use-dilution of the metal working fluid by a metering pump and uniformly dispersed throughout the system.

## **PRECAUTIONS**

### **DANGER KEEP OUT OF REACH OF CHILDREN**

**DANGER: CORROSIVE TO EYES AND CAUSES SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF INHALED. MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH SKIN.** Potential skin sensitizer. Do not get in eyes, on skin, or on clothing. Do not swallow. Avoid breathing vapors and spray mists. Wash skin thoroughly with soap and water after handling. Remove contaminated clothing and wash separately from other laundry before reuse. Wear long pants, a long-sleeved shirt, chemical-resistant gloves, a full-face NIOSH-approved respirator and a chemical-resistant apron during mixing/loading, clean up and repair. Keep the container closed when not in use. Do not reuse the container. Make the empty container unsuitable for further use.

## **FIRST AID**

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

**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 center 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 mouth-to-mouth, if possible. Call a poison control center or doctor for further 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.

**TOXICOLOGICAL INFORMATION:** Note to physician: Probable mucosal damage following ingestion may contraindicate gastric lavage.

## **DISPOSAL**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

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.