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Systems Integration Group, Inc.

ACCEPTED BUSAN 77

APR 16 1999

BUSAN is a registered trademark.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1448-42

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.

STATEMENT OF PRACTICAL TREATMENT (FIRST AID): If swallowed: DO NOT INDUCE VOMITING. Rinse with copious amounts of water first. Irrigate the esophagus and dilute the stomach content by slowly giving one (1) to two (2) glasses of water. Avoid giving alcohol or alcohol related products. In cases where the individual is semi-comatose, comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of internal ingestion of the product seek medical assistance immediately; take individual to nearest medical facility. If in Eyes: Rinse eyes for at least 15 minutes with copious amounts of water. Seek medical attention. If on skin: Rinse with large amounts of water. If irritation occurs seek medical attention. If inhaled, move person to a well ventilated place and apply artificial respiration if required. Call a physician.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, 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.

STORAGE AND DISPOSAL

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

STORAGE: Do not stack more than four drums high. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

Busan 77 is used to control the growth of algae in swimming pools, heated swimming pools, exterior whirlpools, and hot baths. It is also used to control algae, bacteria, fungi and mollusks in cooling water and industrial process water systems and to inhibit the growth of bacteria that cause degradation of cutting fluids. Refer to the bulletin entitled "Busan 77-A Broad Spectrum Microbicide Concentrate" for detailed directions on process water systems and cutting fluid applications.

ACTIVE INGREDIENTS:
Poly[oxyethylene(dimethyliminio)ethylene] 60.0 %
(dimethyliminio)ethylene dichloride)
INERT INGREDIENTS: 40.0 %

Prior to the use of Busan 77 in water cooling towers, systems should be cleaned to remove algal growth, microbiological slime, and other deposits. Then make an initial slug addition of 0.9 to 2.2 fluid ounces of Busan 77 per 1000 gallons of water to provide 8 to 20 ppm Busan 77, based on the total weight of water in the system. Repeat initial dosage until control is evident. Make subsequent slug additions of 0.2 to 2.2 fluid ounces of Busan 77 per 1000 gallons of water (2 to 20 ppm Busan 77) every 2 to 5 days or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

Busan 77 is used to control bacteria in industrial air washing systems that maintain effective mist eliminating components. Prior to its use, systems should be cleaned to remove bacterial slime and other deposits. An initial slug dose of 3.33 to 5.55 fluid ounces of Busan 77 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 2.25 to 5.55 fluid ounces of Busan 77 per 1000 gallons of water should be employed each 1 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and severity of the bacterial problem. Slug additions may be made to the sump or to the water collection trays of the airwash system.

For maximum effectiveness of Busan 77 in swimming pools, heated swimming pools, exterior whirlpools, and hot baths, those with heavy growths of algae should be cleaned prior to using Busan 77. For pools having just visible algae growth, add an initial dose of 11 to 17 fluid ounces of Busan 77 per 10,000 gallons of water and remove settled algae debris by cleaning. For treatment of a freshly cleaned and filled pool, add initially 6 to 11 fluid ounces of Busan 77 per 10,000 gallons of water. To maintain pools free of visible algae growth, subsequent additions of 2 to 4 fluid ounces of Busan 77 per 10,000 gallons of water should be made every 5 to 7 days after the initial treatment. Uniform distribution of Busan 77 throughout the water in the pool is necessary for maximum effectiveness. Busan 77 is compatible with those chemicals normally used to treat pools and is effective at both acid and alkaline pH. Busan 77 can be used in pools treated with chlorine chemicals and may reduce the amount of those chemicals normally required. However, do not mix Busan 77 with concentrated dry or liquid chlorine products.

Busan 77 is used to control the growth of algae in decorative fountains and ponds that do not contain fish. Heavy growths of algae should be manually cleaned prior to treatment. Fountains and ponds with just visible algae growth require an initial dose of 1.0 to 2.0 fluid ounces of Busan 77 per 1000 gallons of water. To treat a freshly cleaned and filled fountain, add 0.5 to 1.5 fluid ounces of Busan 77 per 1000 gallons of water. Maintenance dosages of 0.2 to 0.5 fluid ounces of Busan 77 per 1000 gallons of water should be added every 5 to 7 days as needed. Additions of Busan 77 should be made at a point to ensure uniform distribution. Busan 77 may be used in fountains and ponds treated with chlorine chemicals, but do not mix Busan 77 with concentrated dry or liquid chlorine products.

Busan 77 will retard microbial growth that causes degradation of cooked starch used in paper manufacture. Busan 77 is added at a rate of 25 to 250 ppm based on the total weight of the starch and water. The treatment rate necessary to retard spoilage of the starch will vary with the extent of contamination of the make-up water and the length of storage. NOTE: Do not use in paper and paperboard that will contact food.

To control mollusks such as *Corbicula* species in recirculating or once-through cooling water and industrial systems, add Busan 77 at dosage rates of 2 to 20 ppm. Additions should be made continuously or intermittently to the intake water. Continuous addition is required for noticeably fouled systems. Intermittent feeding is used to maintain control. Busan 77 is used to control algae and mollusks such as *Corbicula* and *Dreissena* species in potable water treatment systems. Mitigation: Add Busan 77 to the raw water at dosage rates of 2 to 5ppm (2 to 5 mL of Busan 77 / 1000 L of water). For badly fouled systems, treatment should be continuous for up to 21 days, followed by regular control treatments. Control: To avoid fouling of potable water systems by mollusks, treat the raw water at 2ppm for 60 minutes, repeating this treatment daily or a continuous feed of 0.5 mg/L.

HMIS/NPCA RATING

Health 1 Flammability 1 Reactivity 1

Product Weight: 9.6 lbs./gal. 1.15 kg/l
NET CONTENTS MARKED ON CONTAINER

EPA Reg. No. 1448-42

Manufactured By EPA Est. No. 1448-TN-1
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