PN 7-2 14-17-42

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

₹ 9 SEP 1993

Ms. Shaun L. Helmhout Buckman Laboratories International, Inc. 1256 N. McLean Boulevard Memphis, TN 38108

Dear Ms. Helmhout:

Subject: Busan 77

EPA Registration No. 1448-42

Your Amendment of February 5, 1988

Your amendment request to expand the use pattern of the subject product labeling to include a molluscicide claim for use in once-through cooling water systems has completed review. The following comments are a result of our review.

- The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A stamped copy is enclosed for your records. Five copies of the finished labeling must be submitted before you release the product for shipment.
- 1. Replace the Environmental Hazards statement on the product label with the following statement:

"This product is highly toxic to fish and aquatic invertebrates. 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.".

	CONCURRENCES	
HISOST.		
SURNAME DIOPOSIO		
DATE DE G SEP 1993		
EPA Form 1320-1A (1/90)	Printed on Recycled Paper	OFFICIAL FILE COPY

If you should have any questions concerning this letter, you may call Robert Travaglini on (703) 305-6909.

Sincerely,

Ruth G. Douglas Product Manager (32) Antimicrobial Program Branch Registration Division (H7504C)



BUSAN® 7/

with Connection in EFA Letter Date

9 SEP 19

ACTIVE INGREDIENT:

EPA REG. NO. 1448-42

This product contains 5.76 lb. of active ingredient per gallon and weighs 9.6 lb. per gallon.

CAUTION

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

FIRST AID: If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance, contact the regional office of the Environmental Protection Agency.

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 sawdost or said 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 nuncture 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.

Tungicide, and Rodensick amended, for the participation of PPA I DIRECTIONS FOR U

It is a violation of Federal law to use this product in a mid-Busan 77 is used to control the growth of algae in swimming pools, and hot baths. Busan 77 is used to control the growth of algae in swimm whirlpools, and hot baths. It is also used to control algae, becteria, full dustrial process water systems and to inhibit the growth of bacteria that the bulletin Busan 77—A Broad Spectrum Microbicide Concentrate for cland cutting fluid applications.

Prior to the use of Busan 77 in water cooling towers, systems at microbiological slims, and other deruelts. Then make an initial slug add per 1000 gallons of water to provide 8 to 20 ppm Busan 77, based on the initial dosage until control is evident. Make subsequent slug additions of gallons of water (2 to 20 ppm Busan 77) every 2 to 5 days or as needed. To relative amount of bleedoff and the severity of the microbiological problem of water cooling towers. To control mollusks such as Corbicule sping water and industrial systems, add Busan 77 at dosage rates of 2 titinuously or intermittently to the intake water. Continuous addition is reimittent feeding is used to maintain control.

Busan 77 is used to control bacteria in Industrial air washing syste components. Prior to its use, systems should be cleaned to remove bacter dose of 3.33 to 5.55 fluid ounces of Busan 77 per 1000 gallons of water is control is evident. Subsequent slug additions of 2.25 to 5.55 fluid oun should be employed each 1 to 5 days, or as needed. The frequency of ad bleedoff and severity of the bacterial problem. Slug additions may be mitrays of the airwash system.

For maximum effectiveness of Busan 77 in swimming pools, heater and hot baths, those with heavy growths of algae should be cleaned privisible algae growth, add an initial dose of 11 to 17 fluid ounces of Busan settled algae debris by cleaning. For treatment of a freshly cleaned and fill Busan 77 per 10 000 gallons of water. To maintain pools free of visible all fluid ounces of Busan 77 per 10 000 gallons of water should be made a

Uniform distribution of Busan 77 throughout the water in the pool Busan 77 is compatible with those chemicals normally used to treat poop H. Busan 77 can be used in pools treated with chlorine chemicals and normally required. However, do not mix Busan 77 with concentrated dr

Busan 77 is used to control the growth of algae in decorative fount Heavy growths of algae should be manually cleaned prior to treatment. I growth require an initial dose of 1.0 to 2.0 fluid ounces of Busan 77 per 10 of 0.2 to 0.5 fluid ounces of Busan 77 per 10 of 0.2 to 0.5 fluid ounces of Busan 77 per 1000 gallons of water should be tions of Busan 77 should be made at a point to ensure uniform distribution ponds treated with chlorine chemicals, but do not mix Busan 77 with co

Busen 77 will retard microbial growth that causes degradation of co Busen 77 is added at a rate of 25 to 250 ppm based on the total weight o necessary to retard spoilage of the starch will vary with the extent of co length of storage, NOTE: Do not use in paper and paperboard that will

BEST AVAILABLE CAPE

BUCKMAN LABORATORIES, INC.

1256 N. McLEAN BLVD., MEMPHIS, TENN. 3810 EPA ESTABLISHMENT NO. 1448-TN-1