

Buckman Laboratories, Inc.
1256 North McLean Boulevard
Memphis, TN 38108

Attention: Kevin D. Drake

Gentlemen:

Subject: Busan 1014
EPA Registration No. 1448-84
Your Application Dated June 23, 1988

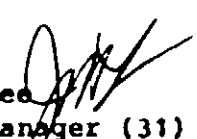
The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided that you revise the phrase under the Statement of Practical Treatment ". . . and then give 1 or 2 glasses of water or milk to drink" to read ". . . and then give 1 or 2 glasses of water to drink."

Submit five (5) copies your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha DeLaney at (703) 557-6982.

Sincerely yours,


John H. Lee
Product Manager (31)
Antimicrobial Program Branch
Registration Division (TS-767C)

Enclosure

50218:f:DeLaney:l-5:KENCO:11/18/88:1/3/89:AS:VO:FK:AS

CONCURRENCES

SYMBOL							
SURNAME							
DATE							



BUSAN[®] 1014

ACTIVE INGREDIENTS

Oxydichylenebisalkyl[®] dimethylammonium chloride
 (40% C₁₂, 50% C₁₄, 10% C₁₆) 36.0%

INERT INGREDIENTS (contains methanol) 64.0%

TOTAL 100.0%

EPA REG. NO. 1448-

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Busan 1014 is used to inhibit the growth of both aerobic and anaerobic bacteria in industrial water systems. It is especially recommended for the control of iron bacteria and other troublesome bacteria in petrochemical and other industrial water, including cooling water. Busan 1014 should be used only in industrial water systems and should not be used in domestic or potable water systems.

Busan 1014 is employed as a bactericide in industrial water systems at a concentration of 5 to 500 ppm (0.04 pint to 0.5 gallon per 1000 gallons of water treated). For continuous applications, it can be fed in a continuous manner by means of chemical metering pumps. For intermittent applications, it can be fed in suitable measuring containers. In most systems, the preferred means of treatment. A typically recommended dosage rate (1000 gallons), based on the volume of water treated, is 0.5 to 5.0 gallons per 1000 gallons. To establish and maintain control of bacterial growth in industrial water systems, a bactericide is required, the system should first be treated with the dosage rate described above until control is evident. Then, control should be begun at a rate of 5 to 50 ppm (0.04 to 0.5 gallon per 1000 gallons) to maintain control.

For more details on these uses, see the Buckman Technical Manual on *Sulfate Reducing and Other Bacteria in Industrial Water Systems*.



POISON

**KEEP OUT OF REACH OF CHILDREN
DANGER**



POISON

STATEMENT OF PRACTICAL TREATMENT

If product gets in eyes, flush with plenty of water for at least 15 minutes. Call a physician. In case of skin contact, wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse. If product is swallowed, call a physician or Poison Control Center. DO NOT INDUCE

VOMITING. Rinse mouth with copious amounts of water or milk, and then give 1 or 2 glasses of water or milk to drink. Avoid alcohol.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Contains methanol, which may cause blindness. Harmful or fatal if swallowed. Vapor is harmful. Avoid breathing spray mist or vapors. Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and birds. Do not apply in marine and/or estuarine oil fields. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance, contact your regional office of the Environmental Protection Agency.

PHYSICAL AND CHEMICAL HAZARDS: Flammable. Keep away from heat or open flame.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water or soil. Open dumping is prohibited. Do not

PESTICIDE DISPOSAL: Pesticide, spray or other material used according to label directions must be disposed of in accordance with Federal, state, or local procedures.

CONTAINER DISPOSAL: Triple rinse for reuse, recycle, or reconditioning, or dispose of in a sanitary manner in accordance with Federal and local procedures.

BUCKMAN LABORATORIES, INC.

176 N. McLEAN BLVD., MEMPHIS, TENN. 38103
EPA ESTABLISHMENT NO. 1448-1N-1