



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

July 1, 1998

BetzDearborn, Inc.
4636 Somerton Road
Trevose, PA 19503-6783

Attention: Kevin C. Manning

Subject: SLIMICIDE C-68
EPA Registration Number 3876-143
Your Submission Dated April 15, 1998
EPA Received Date May 20, 1998

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you comply with the items listed below. The subject of this amendment is for the use of this product as a microbiocide in photoprocessing systems and non-potable Water Reverse Osmosis Systems.

1. Submit/Cite all data required for registration/-reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release shipment.

If these conditions are not complied with, the registration will subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

2074
A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



Marshall Swindell
Product Manager (33)
Regulatory Management Branch I
Antimicrobial Division (7510W)

Enclosure



BetzDearborn

Shaping the Future of Water & Process Treatment



HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	D

Made in U.S.A. with COMBEN 8805 - 5/7/98 in EPA Letter Dated:

JUL 01 1999

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

3876-143

SLIMICIDE C-68

INDUSTRIAL BIOCIDES FOR USE IN RECIRCULATING WATER COOLING TOWERS AND AIR WASHER SYSTEMS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES EYE DAMAGE AND SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF INHALED. MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. Do not take internally. Do not get into eyes, on skin, or on clothing. Do not inhale vapor or mist. Use with adequate ventilation. Wear rubber gloves, goggles & face shield when handling. Avoid contamination of food. Immediately remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. 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. Apply this pesticide only as specified on this label.

STATEMENT OF PRACTICAL TREATMENT

In case of contact with skin, wash immediately with plenty of soap and water. Immediately contact physician.
In case of contact with eyes, flush promptly and thoroughly with clear water for 15 minutes. Immediately contact physician.
In case of inhalation, remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Immediately contact physician.
In case of ingestion, do NOT induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution or large quantities of water. Avoid alcohol. Immediately contact physician. Never give anything by mouth to an unconscious person.

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

ACTIVE INGREDIENTS:
5-Chloro-2-methyl-4-isothiazolin-3-one 1.15%
2-Methyl-4-isothiazolin-3-one 0.35%
INERT INGREDIENTS: 98.50%
TOTAL 100.00%

CONTENTS: LIQUID
POUNDS PER GALLON: 8.6 (70°F)

EPA REGISTRATION NUMBER: 3876-143

EPA ESTABLISHMENT NUMBER:

KEEP OUT OF REACH OF CHILDREN

DANGER

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

STORAGE AND DISPOSAL

This product is corrosive to metal. Do not store or transport in unlined metal containers.

STORAGE: Keep container tightly closed. Protect from freezing. Store in a dry place. Do not store at elevated temperatures.
PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous and/or toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL -

METAL & PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.
FIBER DRUMS WITH LINERS: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner and drum in a sanitary landfill or incinerate if allowed by state and local authorities. Do not reuse empty drum or liner.

Lot Number: 9850127-0004-BB309993

Packaging Date: 05/07/98

Net Weight:

Lbs.

BETZDEARBORN INC., WATER MANAGEMENT GROUP, 200 WITMER ROAD, HORSHAM, PA, 19044
Business Phone: 215-355-3300 • Emergency Phone: 800-877-1940

Panel 1 of 2

344



BetzDearborn

Shaping the Future of Water & Process Treatment

ACCEPTED
with COMMENTS
by EPA Letter Dated:
JUL 01 1998

is on the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered and EPA Reg. No.
3876-143

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FLAMMABILITY	1
REACTIVITY	0
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Made in U.S.A.

GEN 9805 - 5/7/98

SLIMICIDE C-68

INDUSTRIAL BIOCIDES FOR USE IN RECIRCULATING WATER COOLING TOWERS AND AIR WASHER SYSTEMS

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

INDUSTRIAL RECIRCULATING COOLING WATER SYSTEMS

This product aids in the control of bacteria, algae and fungi in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, industrial water scrubbing systems and brewery pasteurizers. Add this product to the tower basin, distribution box or some other point to insure uniform mixing. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 1.26 to 7.46 pounds (19 to 113 fluid ounces or 148 to 883 ppm) per 1000 gallons of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 0.3 to 1.86 pounds (4.5 to 28 fluid ounces or 35 to 219 ppm) per 1000 gallons of water in the system weekly or as needed to maintain control.

AIR WASHER SYSTEMS

For use only in industrial air washing systems that maintain effective mist eliminating components. To control bacteria, fungi and algae which cause fouling in industrial air washer systems, add this product to the air washer sump or chill water sump to insure uniform mixing, at the rate of 0.3 to 7.46 pounds (4.5 to 113 fluid ounces or 35 to 883 ppm) per 1000 gallons of water in the system depending upon the severity of contamination. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

INTERMITTENT OR SLUG METHOD - INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 1.26 to 7.46 pounds (19 to 113 fluid ounces or 148 to 883 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.3 to 1.86 pounds (4.5 to 28 fluid ounces or 35 to 219 ppm) per 1000 gallons of water in the system weekly or as needed to maintain control.

CONTINUOUS FEED METHOD - INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 1.26 to 7.46 pounds (19 to 113 fluid ounces or 148 to 883 ppm) per 1000 gallons of water in the system.

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of this product at the rate of 0.3 to 1.86 pounds (4.5 to 28 fluid ounces or 35 to 219 ppm) per 1000 gallons of blowdown (or water loss) from the system.

METAL - WORKING FLUIDS

This product is recommended for the control of bacteria and fungi in soluble and emulsifiable-type aqueous metal-working fluids, such as emulsified petroleum oils, and formulations containing alcoholic fatty acid, sulfonated red oil or naphthalene sulfonate. These fluids are usually prepared by diluting the product concentrates 1:40 to 1:60 with water.

For the maintenance of a non-fouled system, use this product at 32 fluid ounces per 1000 gallons of emulsion (2 pounds) every 4 weeks or 32 to 154 fluid ounces per 1000 gallons of emulsion (2 to 10 pounds) every 8 to 12 weeks. For a noticeably fouled system, use an initial dose of 64 to 154 fluid ounces per 1000 gallons emulsion (4 to 10 pounds) to be followed by subsequent maintenance dosages depending upon the treatment interval noted above. A higher dosage range and/or increased frequency of treatment may be required depending upon the rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

The preservative should be dispensed into the use-dilution of the metal-working fluid using a metering pump.

HYDRAULIC FLUIDS

This product is recommended as a preservative for use in the manufacture and use of high water-based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume of water in 60% by volume of mineral oil using an oil-soluble emulsifying agent.

For the maintenance of a non-fouled system, use this product at 110 to 135 fluid ounces (7.2 to 8.8 pounds) per 1000 gallons fluid every 8 weeks. For a noticeably fouled system, use an initial dose of 135 to 235 fluid ounces (8.8 to 15.4 pounds) per 1000 gallons fluid to be followed by subsequent maintenance dosages. A higher dosage range and/or increased frequency of treatment may be required depending upon the rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

The preservative should be dispensed into the use-dilution of the hydraulic fluid using a metering pump and uniformly dispersed throughout the system.

NON-POTABLE REVERSE OSMOSIS SYSTEMS

This product is recommended for the control of bacteria and fungi in non-potable reverse osmosis systems. Use of this product in potable water or dialysis is prohibited. Add 10 to 333 ppm of this product (0.15 to 5 ppm active ingredient) into reverse osmosis systems by either continuous feed or periodic injection. Compatibility of this product with reverse osmosis membranes should be confirmed with membrane manufacturers.

For the control of bacteria and fungi in carbon beds, add 10 to 333 ppm of this product (0.15 to 5 ppm active ingredient) by either continuous or batch feed. For periodic membrane cleaning, add 0.4 to 1.0 pound of this product to every 120 gallons of cleaning solution (6 to 15 ppm active ingredient). Badly fouled systems should be cleaned before treatment is begun.

PHOTOPROCESSING SYSTEMS

Start with a clean system. Water recycling: Use 2.1 to 4.2 pounds (32 to 64 fluid ounces) of this product per 1,000 gallons capacity of water in the system. Add to final rinse or used water collection tank by slug dose once weekly or as needed.

ONCE-THROUGH: Use 28 pounds (3 gallons) of product per 1,000 gallons capacity of water in the system, single application start-up dosage added to the wash tanks. Thereafter, add this product each operating day for one hour using a chemical proportioning pump at a dosage of 2 to 3 pounds per hour (32 to 48 fluid ounces) to wash tanks per 1,000 gallons of water used. Increase to two hours per day if needed.

The user is advised that he must maintain a level of discharge into the publicly-owned treatment works which is in compliance with the recommended guidelines for the photographic processing industry. Contact your Regional EPA Office for guidance.

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Panel 2 of 2

4/24/98