

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS 167)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
47091-12

DATE OF ISSUANCE
NOV 14 1994

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
*(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)*

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

SM-10P Industrial Microbiocide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Environmental Marketing Services. Ltd
1520 Lake Lansing Road
Lansing, MI 48912

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 47091-12".
- b. The percentages in the ingredient section should be aligned.
- c. It is preferred that the active ingredient (Methylene bis(thiocyanate) be declared on one single line.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

29
79
5

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

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

Sincerely,

Walter C. Francis
Acting Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

395 / 4

EMS

ACCEPTED
with COMMENTS
In EPA Water Pesticide
NOV 14 1994

47091-12

BEST AVAILABLE

SM-10P INDUSTRIAL

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Harmful or fatal if swallowed. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Do not breathe vapors. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling.

Do not mix with other chemicals, fertilizers, or pesticides. Keep children, pets and livestock away from treated areas.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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.

DIRECTIONS FOR USE

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

LEATHER PROCESSING LIQUORS: For use in controlling the growth of bacteria and fungi in the pickling and tanning process of skins and hides. Depending upon the holding time, add at a rate of 0.025% to 0.25% (0.25 to 2.5 lbs. of SM-10P per 1,000 lbs.) of white weight stock.

FOR CONTROL OF SLIME IN PAPER MILLS: For control of slime consisting of bacteria, fungi and/or algae apply at the rate of 2-8 ounces (59-237 mL) by weight per ton of finished paper. Add intermittently or continuously depending on mill requirements. Apply at point well ahead of area of need and where immediate dispersion of water solution is not required, preferably where stock is of high consistency such as beater, hydrapulper, and broke chest. This product is not cleared for use in the manufacture of paper or paperboard that may come into contact with food.

FOR CONTROL OF MICROBIAL ORGANISMS IN RECIRCULATING COOLING WATER TOWERS, RETORT WATER SYSTEMS, AND

EVAPORATIVE CONDENSERS: Initially add 6 to 12 ounces (177-355 mL) per 1000 gallons of water. Repeat daily until controlled. Thereafter, add 3 to 6 oz. (89-177 mL) three times per week or as needed to maintain control. Add at central point where uniform mixing is assured (12 oz. per 1000 gal. [355mL/3.8kL]=9.3 ppm active; repeated dosing may increase this level.)

SM-10P controls microbial slime consisting of bacteria, fungi, and/or algae. SM-10P may be used in heat exchangers, recirculating cooling towers, and water passing through filters which could become clogged with slime. Not for use in once-through cooling water towers.

ACTIVE INGREDIENT

Methylene bis(thiocyanate).....	10%
INERT INGREDIENTS.....	90%
	100%

KEEP OUT OF REACH OF CHILDREN DANGER

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly large quantities of water. Avoid alcohol. Call a physician immediately.

If inhaled, remove person to fresh air. If not breathing, give artificial respiration, preferably by mouth. Call a physician.

Note to physician:

Probable mucosal damage may contraindicate the use of gastric lavage.

See side panel for additional precautionary statements

ENVIRONMENTAL MARKETING
SERVICES, LTD.
1520 LAKE LANSING ROAD
LANSING, MICHIGAN 48912
(517) 372-9121

EPA REG. NO.
EPA EST. NO. 47091-MI-1

BATCH NUMBER:
NET CONTENTS: 2900 pounds
338 gallons

BREWERY

1000 gallons of water needed. SM-10P

METALWORK: add 100 to 400 lbs. to maintain control after addition to

AIR WASHING: allow air wash to be necessary. A week or as needed will occur.

SOLUTION: against bacteria in processing systems. exact amount of components a test. This product is for food.

STORAGE: closed when not in use.

If container is to be cleaned up, use appropriate safety boots.

PESTICIDE: pesticides, sprays, use according to label. Hazardous Waste

CONTAINER:

For plastic drums, dispose of in a safe manner. Do not burn, stay out of

G:



ACCEPTED
with COMMENTS
In EPA Letter Docket
NOV 14 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product has been found to be in violation of the Act. The EPA has issued a notice under EPA 800-47091-12

SM-10P

BEST AVAILABLE COPY

INDUSTRIAL MICROBIOCIDES

STATEMENTS

IND DOMESTIC ANIMALS
Causes severe eye and skin damage. Do not breathe vapors. Wear goggles or face shield only with soap and water after handling.

icides. Keep children, pets and livestock

AL HAZARDS
Effluent containing this product into lakes, streams, or rivers unless in accordance with the requirements of a National Pollutant Discharge Permit (NPDES) permit and the permitting authority. Do not discharge effluent containing this product into the local sewage treatment plant authority or any other regional office of the EPA.

FOR USE
USE THIS PRODUCT IN A MANNER CONSISTENT WITH ITS LABELING

Use in controlling the growth of bacteria and fungi. Depending upon the holding time, SM-10P (per 1,000 lbs.) of white weight

APPLICATION: For control of slime consisting of bacteria and fungi on mill requirements. Apply at a concentration of water solution is not necessary such as beater, hydrapulper, and broke manufacture of paper or paperboard that may

USE IN RECIRCULATING WATER SYSTEMS, AND
Use 4 to 10 ounces (117-355 mL) per 1000 gallons, and 3 to 6 oz. (89-177 mL) three days at a point where uniform mixing is impractical. Repeated dosing may increase

of bacteria, fungi, and/or algae. SM-10P may be used in cooling water passing through filters which are used in cooling water towers.

ACTIVE INGREDIENT

Methylene bis(thiocyanate).....	10%
INERT INGREDIENTS.....	90%
	100%

KEEP OUT OF REACH OF CHILDREN DANGER

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.
If swallowed, drink promptly large quantities of water. Avoid alcohol. Call a physician immediately.
If inhaled, remove person to fresh air. If not breathing, give artificial respiration, preferably by mouth. Call a physician.
Note to physician:
Probable mucosal damage may contraindicate the use of gastric lavage.
See side panel for additional precautionary statements

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BATCH NUMBER:
NET CONTENTS: 2900 pounds
338 gallons

BREWERY PASTEURIZERS: For control of bacteria and fungi, use 4-6 ounces (118-177 mL) per 1000 gallons of water for heavy contamination. Reduce to 2 oz. (59 mL) per 1000 gallons of water or as needed. SM-10P may be added continuously or slug fed.

METALWORKING FLUIDS: For control of bacteria and fungi in metalworking fluids that contain water, add 100 to 400 ppm of SM-10P (0.1-0.4 gallons per 1000 gallons of fluid) per week, or as needed to maintain control. Slug feeding to the fluid in the collection tank is recommended. Thoroughly mix the fluid after addition to ensure complete dissolution.

AIR WASHER SYSTEMS: For control of bacteria and fungi, preclean the system with detergent and allow air washer to run with the fan on for 2 hours. Flush and check nozzles, manually cleaning if necessary. Add 10-40 ppm of SM-10P (0.01-0.04 gallons per 1000 gallons of water) one to three times per week or as needed to maintain control. Add SM-10P to a point where uniform mixing and even distribution will occur.

SOLUTIONS AND EMULSIONS: For the preservation of solutions, emulsions, and adhesives against bacteria and fungi, the addition of 75-200 ppm of SM-10P is effective. Add SM-10P at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. The exact amount of SM-10P to be added for the preservation of a given formulation will depend on the components as well as the local storage time and conditions. Dosage rates should be determined by actual test. This product is not cleared for use in the manufacture of adhesives that may come into contact with food.

STORAGE AND DISPOSAL

STORAGE: Do not store near feed or food products. Do not mix with other chemicals. Keep container closed when not in use. Always store in original container unless container is damaged.

If container is damaged, transfer material to an undamaged container immediately. Spilled material should be cleaned up promptly and disposed of properly. Avoid physical contact when cleaning up spills, using appropriate safety equipment such as eye protection, rubber gloves, rubber apron or coveralls and rubber boots.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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: Return empty portable tote bins to supplier when empty.

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

G: N: T: Rev 11 08 94

PRODUCT PROPERTIES:

Percent Activity10%
Specific Gravity1.02 ± 0.03
pH3 - 5
Freeze Point32 F.
Solubility< 5%
AppearanceWhite to light yellow,
creamy liquid
Odor.....Organic

PRODUCT DESCRIPTION:

SM-10P is a microbiocide/slimicide; active ingredient is methylene bis(thiocyanate.) SM10P is very effective in controlling the growth of several types of bacteria and fungi. This product performs very well on slime-forming bacteria.

[REDACTED]

FEED METHOD:

SM-10P should be applied where adequate mixing occurs; the rate of feed is dependent on the amount of fouling present, the percent washout rate of the system and other conditions. See product label for specific feedrate information for your application.

SPECIAL INFORMATION:

Do not mix with other chemicals and avoid skin contact. Product should be stored away from excessive heat and avoid freezing. Product is corrosive. When handling, personnel should wear rubber gloves, face shield or goggles. Keep container closed when not in use.

FIRST AID PROCEDURES:

In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes and for eyes consult a physician. If swallowed drink promptly a large quantity of milk egg whites, if they aren't available drink large quantities of water and immediately call a physician. Product can be fatal if swallowed. For more specific information refer to label precautions and material safety data sheet.

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