

Rohm and Haas Company  
100 Independence Mall West  
Philadelphia, PA 19106-2366

SEP 26 1994

Attention: Ronald L. Derbyshire

Gentlemen:

Subject: SF-886 Technical Industrial Microbiocide  
EPA Registration Number 707-234  
Your Submission Dated May 17, 1994  
EPA Received Date May 24, 1994

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 to add additional uses for formulations of end use microbiocides: printing fluid, recirculating electrodeposition systems, brewery pasteurizers and can warmers, in-container preservation, industrial recirculating water cooling towers, air washer systems, industrial recirculating closed loop water cooling towers, wood and wood products, papermills and oil field injection waters.

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 the product for shipment.

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

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

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If you have any questions concerning this letter, please contact Karen M. Leavy at (703)-305-6966.

Sincerely yours,



Marshall Swindell  
Acting Product Manager-31  
Antimicrobial Program Branch  
Registration Division(7505C)

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

**DANGER**

**CORROSIVE**

**CAUSES SEVERE EYE DAMAGE AND SKIN BURNS**

**MAY BE FATAL IF ABSORBED THROUGH THE SKIN OR SWALLOWED**

**MAY CAUSE ALLERGIC SKIN REACTION**

**MAY BE FATAL IF INHALED**

This product is a dermal sensitizer. Do not get it in eyes, on skin, on clothing. Wear goggles, protective clothing and rubber gloves. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Do not take internally. Wash thoroughly with soap and water 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

**CONDITIONS OF SALE AND WARRANTY**

Rohm and Haas warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. **ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.** Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow directions will be assumed by the Buyer or User. **IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**



100 INDEPENDENCE MALL WEST  
PHILADELPHIA, PA 19106  
TELEPHONE: (215) 592-3000

**SF-886 TECHN**

**For Use By Manufacturers Only In Formu  
Microbicides For Use In Conveyor Lubricant  
Fuels, Metalworking Fluids, Dispersed Pigme  
Fluids, Polymer Latex, Adhesives, Tackifi  
Coatings, Commercial Photoprocessing Syst  
Emulsions, Printing Fluid, Recirculating El  
Systems, Oil Fields Injection Waters, Buil  
Recirculating Water Cooling Towers, Air V  
Recirculating Closed Loop Water Cooli  
Brewery Pasteurizer and Can Warmer Sys  
Wood Products, Papermills and In-Contair**

**ACTIVE INGREDIENTS:**

5-Chloro-2-methyl-4-isothiazolin-3-one .....

2-Methyl-4-isothiazolin-3-one .....

**INERT INGREDIENTS** .....

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes immediately with plenty of water for at least 15 min  
irritation persists.

**IF ON SKIN:** Wash thoroughly with soap and plenty of water. Remove and  
before reuse. Get medical attention if irritation occurs.

**IF INHALED:** Remove person to fresh air. Get medical attention.

**IF SWALLOWED:** Wash mouth thoroughly with plenty of water and give wat  
attention immediately. Do not give liquids to an uncon

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the t  
**SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.**

MANUFACTURED BY:  
ROHM AND HAAS COMPANY  
100 INDEPENDENCE MALL WEST  
PHILADELPHIA, PA 19106-2399  
EPA Est. No. 707-PA-1  
EPA Reg. No. 707-234

**NET CONTENTS**

MADE IN U.S.A.

**BEST AVAILABLE COPY**

(1 inch)

54Y-3070 Rev. — Rohm and Haas — 1A — 5/18/94

# SF-886 TECHNICAL

7-0925

For Use By Manufacturers Only In Formulating Industrial Microbicides For Use In Conveyor Lubricants, Hydraulic Fluids, Fuels, Metalworking Fluids, Dispersed Pigments, Metal Cleaning Fluids, Polymer Latex, Adhesives, Tackifiers, Paints and Coatings, Commercial Photoprocessing Systems, Photographic Emulsions, Printing Fluid, Recirculating Electrodeposition Systems, Oil Fields Injection Waters, Building Materials, Recirculating Water Cooling Towers, Air Washer Systems, Recirculating Closed Loop Water Cooling Systems, Brewery Pasteurizer and Can Warmer Systems, Wood and Wood Products, Papermills and In-Container Preservation.

#### ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one ..... 70.1  
2-Methyl-4-isothiazolin-3-one ..... 26.0

INERT INGREDIENTS ..... 3.9  
TOTAL ..... 100.0

## KEEP OUT OF REACH OF CHILDREN DANGER

#### STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Flush eyes immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**IF ON SKIN:** Wash thoroughly with soap and plenty of water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation occurs.

**IF INHALED:** Remove person to fresh air. Get medical attention.

**IF SWALLOWED:** Wash mouth thoroughly with plenty of water and give water or milk to drink. Get medical attention immediately. Do not give liquids to an unconscious person.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

MANUFACTURED BY:  
ROHM AND HAAS COMPANY  
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NET CONTENTS

LBS.

MADE IN U.S.A.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product inconsistent with its labeling.

Formulators are responsible for obtaining the registrations and developing the data required to registrations. See SF-886 TECHNICAL Material Safety for chemical and physical properties.

#### CONVEYOR LUBRICANT PRESERVATIVE

SF-886 TECHNICAL microbicide is recommended for control of bacteria and fungi in the manufacture and use of conveyor lubricants.

#### WATER-BASED HYDRAULIC FLUID PRESERVATIVE

SF-886 TECHNICAL microbicide is recommended as a preservative in the manufacture and use of high pressure hydraulic fluids and invert emulsion hydraulic fluids prepared by emulsifying 40% by volume water in 60 of mineral oil using an oil-soluble emulsifying agent.

#### FUEL PRESERVATION

SF-886 TECHNICAL microbicide is recommended for control of bacteria and fungi in liquid hydrocarbon fuels such as kerosene, heating oils, diesel fuels, and residual fuels.

FOR USE IN AVIATION FUEL, THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE SUITABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES OR AIRCRAFT.

#### DISPERSED PIGMENT PRESERVATION

SF-886 TECHNICAL microbicide is recommended for control of bacteria and fungi in the manufacture and storage of pigments such as kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, and kieselguhr used in paint and paper products.

#### METAL CLEANING FLUID PRESERVATIVE

SF-886 TECHNICAL microbicide is recommended as a preservative in the manufacture and use of alkaline, acid, and neutral based metal cleaning fluids typically used in electroplating, galvanizing and general metal cleaning.

#### POLYMER LATEX PRESERVATION

SF-886 TECHNICAL microbicide is recommended for control of bacteria and fungi in the manufacture and storage of natural and synthetic polymer latexes including: acrylic butadiene; carboxylated styrene/butadiene; ethyl acrylate; and biopolymers intended for industrial applications such as xanthum gum, gum arabic, guar gum, protein-derived starches, and casein-derived polymers.

#### ADHESIVE AND TACKIFIER PRESERVATIVE

SF-886 TECHNICAL microbicide is recommended as a container preservative for the control of bacteria and fungi in water-soluble and water-dispersed adhesives such as vegetable glues, natural rubber latexes, polyurethane, styrene/butadiene, and acrylic latexes. SF-886 microbicide is recommended as a preservative in adhesives derived from rosin and hydrocarbon resins.

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**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.  
Formulators are responsible for obtaining their own EPA registrations and developing the data required to support their registrations. See SF-886 TECHNICAL Material Safety Data Sheet for chemical and physical properties.

**CONVEYOR LUBRICANT PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in the manufacture and use of water-based conveyor lubricants.

**WATER-BASED HYDRAULIC FLUID PRESERVATION**

SF-886 TECHNICAL microbicide is recommended as a preservative in the manufacture and use of high water-based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume water in 60% by volume of mineral oil using an oil-soluble emulsifying agent.

**FUEL PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in liquid hydrocarbon fuels such as: aviation fuels, kerosene, heating oils, diesel fuels, and residual fuel oils.

FOR USE IN AVIATION FUEL, THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE ACCEPTABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES AND/OR AIRCRAFT.

**DISPERSED PIGMENT PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, montmorillite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and kieselguhr used in paint and paper productions.

**METAL CLEANING FLUID PRESERVATION**

SF-886 TECHNICAL microbicide is recommended as a preservative in the manufacture and use of alkaline, acid, and emulsion-based metal cleaning fluids typically used in electroplating, phosphatizing, galvanizing and general metal cleaning operations.

**POLYMER LATEX PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices including: acrylic; styrene/butadiene; carboxylated styrene/butadiene; ethylene/vinyl acetate; and biopolymers intended for industrial use, such as xanthum gum, gum arabic, guar gum, protein-derived polymers, starches, and casein-derived polymers.

**ADHESIVE AND TACKIFIER PRESERVATION**

SF-886 TECHNICAL microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-soluble and water-dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene/butadiene, and acrylic latices. SF-886 TECHNICAL microbicide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.

**PAINT AND COATING PRESERVATION**

SF-886 TECHNICAL microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings, and paints used for architectural product finishes, and special purpose coatings.

**METALWORKING FLUID PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in soluble and emulsifiable aqueous metalworking fluids.

**PHOTOGRAPHIC EMULSION PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of aqueous based materials such as gel solutions, dispersions and emulsions used in the manufacture of photographic products.

**BUILDING MATERIAL PRESERVATION**

SF-886 TECHNICAL microbicide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackling, and grouting.

**COMMERCIAL PHOTOPROCESSING SYSTEM PRESERVATION**

SF-886 TECHNICAL microbicide is recommended to prevent slime formation or accumulation in photoprocessing tanks, replenishment systems, effluent, silver recovery and waste streams of commercial photoprocessing systems for the maintenance of non-fouled systems.

**PRINTING FLUID PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of printing ink components such as resins, plastiziers, water soluble dyes, pigments, gelling agents, waxes, surfactants, thickeners, and for photoplate processing chemicals such as stabilizer solutions.

**RECIRCULATING ELECTRODEPOSITION SYSTEMS**

SF-886 TECHNICAL microbicide is recommended as a tankside additive for the control of bacteria, fungi and algae in recirculating electrodeposition systems, associated rinse systems and through the addition to components of the electrodeposition paint prior to their addition to the system.

**BREWERY PASTEURIZERS AND CAN WARMERS**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria, algae and fungi in brewery pasteurizing and can warmer systems.

**IN-CONTAINER PRESERVATIVE**

SF-886 TECHNICAL microbicide is recommended as an in-container preservative for the control of bacteria and fungi in industrial and household consumer products, such as air fresheners, automotive products, fabric softeners, hand cleaners, polishes for floors and furniture, shoe polishes, moist sponges and towelettes, spray starch, waxes and automotive polishes, hand and automatic dish detergents, liquid laundry detergents and car washes, household cleaners, industrial cleaners, liquid hand soaps, oil and grease removers, carpet cleaners and spot removers, waterless hand cleaners, raw materials for cleaning products, surfactants, and silicone emulsions.

**INDUSTRIAL RECI  
TOWERS**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria, algae and fungi in towers when added to the water at any other point to insure uniform distribution.

**AIR WASHER SYSTEMS**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria, algae and fungi in air washer systems.

**INDUSTRIAL RECI  
WATER COOLING SYSTEMS**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria, algae and fungi in water cooling systems where the water is recirculated or where the water is used in some other point.

**WOOD AND WOOD PRODUCTS**

SF-886 TECHNICAL microbicide is recommended for the protection of wood and wood products, such as fences, posts, pilings, and structures from mold and decay.

**PAPERMILLS**

SF-886 TECHNICAL microbicide is recommended for the control of bacterial and fungal growth in paper mills.

**OIL FIELD INJECTION**

SF-886 TECHNICAL microbicide is recommended for the control of slime-forming and sulfur-reducing bacteria in water systems, including injection systems, drilling, fracturing and completion fluids.

**STORAGE AND  
PROHIBITIONS**

This product is corrosive to unlined metal containers. It is an oxidizing agent. Do not store in unlined metal containers. Do not feed by storage or disposal.

**PESTICIDE DISPOSAL**

Pesticide wastes are acutely toxic. Do not reuse or reuse excess pesticide or rinseate. Do not discharge into any waterway. Do not contact your State Pesticide Control Agency or the Hazardous Waste Regulatory Office for guidance.

**CONTAINER DISPOSAL**

Do not reuse empty containers. Do not recycle or recondition in any landfill, or by other means, unless approved by the appropriate authorities.

**PLASTIC CONTAINERS:** Do not recycle or recondition in any sanitary landfill, or by incineration, unless approved by the appropriate authorities, by burning.

**GENERAL**

CONSULT FEDERAL, STATE AND LOCAL REGULATIONS FOR APPROVED ALTERATIONS.

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with COMMENTS  
in BSA Letter Data:  
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707-234

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**PAINT AND COATING PRESERVATION**

SF-886 TECHNICAL microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings, and paints used for architectural product finishes, and special purpose coatings.

**METALWORKING FLUID PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in soluble and emulsifiable aqueous metalworking fluids.

**PHOTOGRAPHIC EMULSION PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of aqueous based materials such as gel solutions, dispersions and emulsions used in the manufacture of photographic products.

**BUILDING MATERIAL PRESERVATION**

SF-886 TECHNICAL microbicide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackling, and grouting.

**COMMERCIAL PHOTOPROCESSING SYSTEM PRESERVATION**

SF-886 TECHNICAL microbicide is recommended to prevent slime formation or accumulation in photoprocessing tanks, replenishment systems, effluent, silver recovery and waste streams of commercial photoprocessing systems for the maintenance of non-fouled systems.

**PRINTING FLUID PRESERVATION**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of printing ink components such as resins, plastiziers, water soluble dyes, pigments, gelling agents, waxes, surfactants, thickeners, and for photoplate processing chemicals such as stabilizer solutions.

**RECIRCULATING ELECTRODEPOSITION SYSTEMS**

SF-886 TECHNICAL microbicide is recommended as a tankside additive for the control of bacteria, fungi and algae in recirculating electrodeposition systems, associated rinse systems and through the addition to components of the electrodeposition paint prior to their addition to the system.

**BREWERY PASTEURIZERS AND CAN WARMERS**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria, algae and fungi in brewery pasteurizing and can warmer systems.

**IN-CONTAINER PRESERVATIVE**

SF-886 TECHNICAL microbicide is recommended as an in-container preservative for the control of bacteria and fungi in industrial and household consumer products, such as air fresheners, automotive products, fabric softeners, hand cleaners, polishes for floors and furniture, shoe polishes, moist sponges and towelettes, spray starch, waxes and automotive polishes, hand and automatic dish detergents, liquid laundry detergents and car washes, household cleaners, industrial cleaners, liquid hand soaps, oil and grease removers, carpet cleaners and spot removers, waterless hand cleaners, raw materials for cleaning products, surfactants, and silicone emulsions.

**INDUSTRIAL RECIRCULATING WATER COOLING TOWERS**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria, algae and fungi in industrial recirculating water cooling towers when added to the tower basin, distributor box or some other point to insure uniform mixing.

**AIR WASHER SYSTEMS**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria, algae and fungi which cause fouling in industrial air washer systems.

**INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS**

SF-886 TECHNICAL microbicide is recommended for the control of bacteria, algae and fungi in industrial recirculating closed loop water cooling systems when added to the reservoir, recirculating line or some other point to insure uniform mixing.

**WOOD AND WOOD PRODUCTS**

SF-886 TECHNICAL microbicide is recommended for the protection of wood and wood products such as landscape timbers, fences, posts, pilings, crossties, decks and similar exterior structures from mold and mildew.

**PAPERMILLS**

SF-886 TECHNICAL microbicide is recommended for the control of bacterial and fungal slime in the production of paper.

**OIL FIELD INJECTION WATERS**

SF-886 TECHNICAL microbicide is recommended for the control of slime-forming and sulfate reducing bacteria in oil and gas field water systems, including enhanced recovery injection fluids, drilling, fracturing and completion fluids.

**STORAGE AND DISPOSAL**

**PROHIBITIONS**

This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate with strong oxidizing or reducing agents. Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

**PESTICIDE DISPOSAL**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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 CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

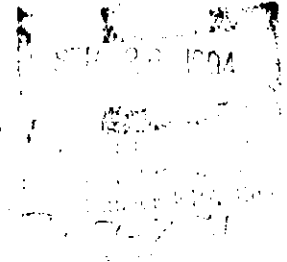
**PLASTIC CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**GENERAL**

**CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.**

14834-M2

FOR COMMENTS  
to EPA Label Office



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