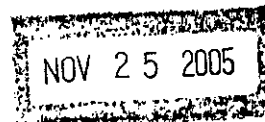




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Joanne Ryder
Regulatory & Product Stewardship Management for,
Rohm and Haas Company
Technical Center
727 Norristown Road
Spring House, PA 19477

Subject: Klarix 4000
EPA Registration Number 707-259
Your Amendment Dated August 9th, 2005

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), as amended, to delete the agricultural mulch paper use from the product labeling, is acceptable.

Since the use for agricultural mulch paper has been deleted from the product labeling, there are no remaining residue chemistry deficiencies with respect to the proposed registration.

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

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,

A handwritten signature in cursive script that reads "Marshall Swindell".

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

KLARIX™ 4000

Industrial Microbicide for use in Recirculating Water Cooling Towers, Air Washer Systems, Pulp Mills, Papermill Slime Control, Recirculating Closed Loop Water Cooling Systems, Decorative Fountains, Can Warmer and Brewery Pasteurizers, and Dispersed Pigments.

Made In USA



Avg. Gross: LB KG
Net: LB KG
Avg. Tare: LB KG
Label Number
KLARIX EPA LABEL
08/09/05

<p>ACTIVE INGREDIENT: 4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone 4.25%</p> <p>INERT INGREDIENTS: 95.75%</p> <p style="text-align: right;">TOTAL: 100.00%</p> <p style="text-align: center;">KEEP OUT OF REACH OF CHILDREN DANGER FIRST AID</p> <p>IF ON SKIN: • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 min. • Call a poison control center or doctor for advice.</p> <p>IF IN EYES: • Hold eye open and rinse slowly and gently with water for 15-20 min. • Remove contact lenses if present after first 3 min, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.</p> <p>IF INHALED: • Move person to fresh air. • If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. • Call a poison control center or doctor for advice.</p> <p>IF SWALLOWED: • Call a poison control center or doctor immediately for advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • If able, swallow up a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p>NOTE TO PHYSICIAN: Probable aerosol damage may contraindicate the use of gastric lavage. Monitor against respiratory shock, respiratory depression and convulsions may be necessary.</p>	<p style="text-align: center;">PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS</p> <p>DANGER CORROSIVE CAUSES IRREVERSIBLE EYE DAMAGE HARMFUL IF ABSORBED THROUGH THE SKIN CAUSES SKIN IRRITATION HARMFUL IF INHALED MAY CAUSE ALLERGIC SKIN REACTION</p> <p>This product is a dermal sensitizer. Do not get in eyes, on skin, or on clothing. Wear goggles and face shield, protective clothing and rubber gloves. Avoid breathing vapor or spray mist. Keep container closed. Use with adequate ventilation. Do not take internally. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.</p> <p>ENVIRONMENTAL HAZARDS This pesticide is 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 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.</p>	<p>STORAGE AND DISPOSAL PROHIBITIONS This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Keep product from freezing.</p> <p>PESTICIDE DISPOSAL Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or mixture 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.</p> <p>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.</p> <p>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.</p> <p>GENERAL CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES</p> <p>CONDITIONS OF SALE AND WARRANTY Klarix and Klax 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. If a ROHM IHAAS MAKES A SALE OR LEASE OR EITHER MARKS OR SELLERS THEREOF OR THEIR SALES AGENTS OR DEALERS FOR A PARTICULAR USE, handling, storage, and use of the product by the user shall be limited to that use. Klax and Klarix, Klax such as manufacturers or other authorized distributors are not liable for any damage, loss or injury to persons or property, or to the environment, that may result from the use of this product in any manner not intended by the manufacturer. Klax and Klax do not warrant the performance of this product in any other use. Klax and Klax do not warrant the performance of this product in any other use. Klax and Klax do not warrant the performance of this product in any other use. Klax and Klax do not warrant the performance of this product in any other use.</p> <p>Date of Manufacture: location for date EPA Reg. No. 707-259 EPA Est. No. 707 TX-1</p>	<p>DIRECTIONS FOR USE It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.</p> <p>Refer to the table at the end of this section for dosing details for the following applications.</p> <p>INDUSTRIAL RECIRCULATING WATER COOLING TOWERS For the control of bacteria, algae and fungi add Klarix 4000 microbicide to the tower basin, distribution bus, or some other point to insure uniform mixing. Treatment may be made by slug dosing or continuous dosing to achieve the desired level of biocide.</p> <p>CAN WARMERS AND BREWERY PASTEURIZERS For the control of bacteria, algae and fungi in brewery pasteurizer and can warmer systems, add Klarix 4000 microbicide at a point in the system to insure uniform mixing.</p> <p>DECORATIVE FOUNTAINS For the control of algae, fungi and bacteria, add Klarix 4000 microbicide to the basin, recirculation line or some other point in the system to insure uniform mixing. Treatment may be by slug dosing or continuous dosing to achieve the desired level of biocide.</p> <p>For noticeably fouled systems, repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.</p> <table border="1"> <thead> <tr> <th>lb. of product per 1000 gal fluid</th> <th>fl oz of product per 1000 gal fluid</th> <th>ppm of product</th> <th>ppm active ingredient</th> </tr> </thead> <tbody> <tr> <td>0.39 lb</td> <td>5.9 fl oz</td> <td>47 ppm</td> <td>2 ppm</td> </tr> <tr> <td>1.20 lb</td> <td>18 fl oz</td> <td>141 ppm</td> <td>6 ppm</td> </tr> </tbody> </table> <p>When microbial control is evident, dose weekly or as needed to maintain control.</p> <table border="1"> <thead> <tr> <th>lb. of product per 1000 gal fluid</th> <th>fl oz of product per 1000 gal fluid</th> <th>ppm of product</th> <th>ppm active ingredient</th> </tr> </thead> <tbody> <tr> <td>0.05 lb</td> <td>0.74 fl oz</td> <td>5.9 ppm</td> <td>0.25 ppm</td> </tr> <tr> <td>0.39 lb</td> <td>5.90 fl oz</td> <td>47.0 ppm</td> <td>2.0 ppm</td> </tr> </tbody> </table>	lb. of product per 1000 gal fluid	fl oz of product per 1000 gal fluid	ppm of product	ppm active ingredient	0.39 lb	5.9 fl oz	47 ppm	2 ppm	1.20 lb	18 fl oz	141 ppm	6 ppm	lb. of product per 1000 gal fluid	fl oz of product per 1000 gal fluid	ppm of product	ppm active ingredient	0.05 lb	0.74 fl oz	5.9 ppm	0.25 ppm	0.39 lb	5.90 fl oz	47.0 ppm	2.0 ppm
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AIR WASHER SYSTEMS
Add Klarix 4000 microbicide to the air washer sump or chill water sump to insure uniform mixing for control of fungi, bacteria and algae.

For noticeably fouled systems, apply 47 - 141 ppm Klarix 4000 microbicide (2 - 6 ppm active ingredient) (0.39 - 1.2 pound or 5.9 - 18 fluid ounce) per 1000 gallon of water. Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.

When microbial control is evident, add 12 - 47 ppm Klarix 4000 microbicide (0.50 - 2 ppm active ingredient) (0.10 - 0.39 pound or 1.58 - 5.9 fluid ounce) per 1000 gallon of water. Dose weekly or as needed to maintain control.

NOTE: For use only in industrial air washing systems that maintain effective mist-eliminating components.

INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS
For the control of bacteria, algae and fungi add Klarix 4000 microbicide to the reservoir, recirculating line, or some other point in the system to insure uniform mixing.

For noticeably fouled systems, apply 47 - 141 ppm Klarix 4000 microbicide (2 - 6 ppm active ingredient) (0.39 - 1.2 pound or 5.9 - 18 fluid ounce) per 1000 gallon of water. Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.

When microbial control is evident, add 24 - 47 ppm Klarix 4000 microbicide (1 - 2 ppm active ingredient) (0.20 - 0.39 pound or 2.95 - 5.9 fluid ounce) per 1000 gallon of water. Dose weekly or as needed to maintain control.

The active ingredient in Klarix 4000 has Clearances under 21CFR 176.170 (a)(b), 21CFR 176.180 (b)(1) and 21CFR 176.300 (c) for the following uses: wet lap and sheet pulp, pigment dispersions, mold proofing, components of paper and paperboard in contact with aqueous, fatty and dry foods, and papermill sludges.

DISPERSED PIGMENTS PRESERVATION
Klarix 4000 microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin and montmorillonite clays, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, and magnesium silicate used in paint and paper production. Add 0.24 - 1.2 pound (3.6 - 18 fluid ounce) of Klarix 4000 microbicide per 1000 pound of fluid to provide 235 - 1176 ppm product (10-50 ppm active ingredient).

PAPERMILLS
To control fungal, bacterial and algal growth on paper and paperboard machines, add Klarix 4000 microbicide at 0.1 - 0.8 pound (1.5 - 12 fluid ounce) per ton of dry paper or paperboard produced at a location to insure uniform mixing (including beaters, wire pit, saveall tanks, headbox or machine chest). Treatment may be by slug or continuous dosing to achieve 12 - 94 ppm Klarix 4000 microbicide (0.5 - 4 ppm active ingredient) in the wet end portion of the system. Dosing frequency will depend on mill conditions and the level of microbial fouling.

For preparation of mold-resistant non-food contact paper or paperboard, Klarix 4000 microbicide may be dosed to achieve 588 - 2,353 ppm product (25 - 100 ppm active ingredient) on the final paper (dry basis). For uncoated paper or board, Klarix 4000 microbicide may be added to the surface sizing solution, water or other solvents and applied to the surface of the paper by means of applicator roll. It may also be added directly to the pulp slurry at the machine chest or headbox. For coated paper or paperboard, Klarix 4000 microbicide is incorporated into the coating mix prior to application of the coating to the paper.

PULP MILLS
To prevent fungal degradation of wood chips during storage, add Klarix 4000 microbicide at 0.6 - 3.5 pound (9 - 53 fluid ounce) per ton of oven-dry wood. It may be applied by water shower or drip feeder during transport of the chips on a conveyor or belt to the storage pile.

For preservation of wet-lap or sheet pulp, Klarix 4000 microbicide should be added at 1.2 - 4.8 pound (18 - 72 fluid ounce) per ton of oven-dry fiber. It may be applied directly to the surface of the dew-sterilized sheet by spray, water shower or application on rollers or it may be dosed in the pulp slurry prior to dew-sterilizing of the sheet.

Klarix™ 4000 microbicide weighs 8.5 pound per gallon.

**ACCEPTED
with COMMENTS
EPA Letter Dated:**

112505

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

707-259

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