

68660-1

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Lewis and Harrison
c/o Solvay Chemicals Inc.
122 C. Street, NW Suite 740
Washington DC, 20001

MAR 6 2013

Attention: Ana Rodriguez-Koster
Regulatory Manager

Subject: Proxitane WW-12
EPA Reg No. 68660-1
Application dated November 2, 2012

The following amendment, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

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

If the above 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 bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the accepted labeling is enclosed. Submit three copies of your final printed labeling to the Agency before distributing or selling the product bearing the revised labeling.

If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Swindell".

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510C)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: CORROSIVE. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin, or clothing. May be fatal if swallowed or inhaled. Do not breathe vapor or spray mist. Wear a respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter. Consult the MSDS for information about respirators and cartridges that have been tested and shown to be effective in removing hydrogen peroxide and peracetic acid from air. Wear chemical goggles, rubber gloves, and protective clothing when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. Corrosive. Do not use in concentrated form. Mix only with water according to label instructions. Contact of concentrate with other sanitizers, cleaners or other material may cause fire.

Manufactured and Distributed by:
SOLVAY CHEMICALS, INC.
3333 Richmond Avenue,
Houston TX 77098 USA
(713) 525-6500

For emergency call
CHEMTREC ® (800) 424-9300
EPA Reg. No. 68660 - 1
EPA Est. No. 60156 -IL - 001

Net Wt.: _____ Pounds Weight Per

gallon: 9.2 lb.

Proxitane® WW-12

Microbiocide

MAR 6 2013 Lot No.

ENVIRONMENTAL HAZARDS

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the use of this product in lakes, streams, ponds, estuaries or public 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.

In developing the NPDES permit, restrictions on the release of waters containing this product during low-flow periods should be considered.

ACTIVE INGREDIENT:

Hydrogen Peroxide
Peroxyacetic Acid

INERT INGREDIENTS

TOTAL

69.5%

100.0%

DANGER

STRONG OXIDIZING AGENT
KEEP OUT OF REACH OF CHILDREN

FIRST AID STATEMENTS

IF IN EYES: -Hold eyelids open and rinse slowly and gently for 15 - 20 minutes.
-Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.
-Call a poison control center or doctor for treatment advice.

IF INHALED: -Move person to fresh air.
-If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
-Call a poison control center or doctor for further treatment advice.

IF ON SKIN: -Take off contaminated clothing.
-Rinse skin immediately with plenty of water for 15 - 20 minutes.
-Call a poison control center or doctor for treatment advice.

IF SWALLOWED: -Call poison control center or doctor immediately for treatment advice.
-Have a person sip a glass of water if able to swallow.
-Do not induce vomiting unless told to do so by a poison control center or doctor.
-Do not give anything by mouth to an unconscious person.
CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY FOR EMERGENCY MEDICAL INFORMATION.

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

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL

STORAGE: Store in original vented container in a dry location away from heat and out of direct sunlight. In case of fire involving product, use water. In case of large quantities of spilled material, dike with sand or earth. Dilute with large quantities of water.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture, or rinsate, is a violation of Federal Law. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries or public waters unless the components of this product are specifically identified in a NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage plant authority. For additional information, refer to the product Material Safety Data Sheet.

CONTAINER DISPOSAL: (Note to reviewer - one of the following container disposal directions will be used based on the container type)
(FOR Tank trucks and Railcars: these containers are exempt from PR Notice 2007-4) Return for reuse.

(FOR Refillable Plastic and Stainless Steel Containers over 5 gallons) Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the

container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

(FOR Nonrefillable Plastic containers equal to or less than 5 gallons) Nonrefillable container. Do not use or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available 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.

(FOR Nonrefillable Plastic containers over 5 gallons) Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available 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.

(FOR Nonrefillable Glass containers equal to or less than 5 gallons) Nonrefillable container. Do not reuse or refill this container. Triple rinse (or

equivalent) promptly after emptying. Triple rinse as follows:

Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner, and in quantities, not as directed on the label, for the pesticide, registered under EPA Reg. No. 62660-1

CONTROL OF ALGAL, FUNGAL, AND BACTERIAL GROWTH IN PULP AND PAPER MILL SYSTEMS FOR FOOD AND NON-FOOD CONTACT PAPER

Proxitane® WW-12 provides an effective means to treat various process waters for slime control. Dosage rates should be increased or decreased depending on control achieved.

Maximum usage rate must not exceed 2 lbs Proxitane® WW-12 solution per ton (2000 lbs., dry basis) of pulp or paper produced.

TREATMENT OF PAPER MACHINE WHITE WATER

Proxitane® WW-12 may be applied within the white water short circulation loop on the paper machine. Apply with either shock, intermittent or continuous dosing. Shock doses may be applied for 1 to 2 hours, as necessary, whereas intermittent doses are applied 1 to 12 times per day, for a duration of 5 to 60 minutes each. For either shock or intermittent dosing, apply 0.02 to 0.8 gallons Proxitane® WW-12 per 1000 gallons of white water, producing a peak concentration of 20 to 800 ppm Proxitane® WW-12 during dosing. This is approximately equivalent to a peak dose of 2 to 100 ppm 100% peracetic acid. For continuous dosing, apply 0.02 to 0.2 gallons Proxitane® WW-12 per 1000 gallons of process water, producing a peak concentration of 20 to 200 ppm of Proxitane® WW-12. This is approximately equivalent to 2 to 25 ppm 100% peracetic acid.

CATALASE CONTROL IN DEINKING WATER LOOPS

Proxitane® WW-12 may be applied to the inlet lines going to deinking water storage following clarification. Apply with either shock, intermittent, or continuous dosing. Shock doses may be applied for 10 to 60 minutes as necessary. Apply 1.7 to 4.2 gallons Proxitane® WW-12 per 1000 gallons recirculation water, producing a peak concentration of 1700 to 4200 ppm Proxitane® WW-12 during dosing. This is approximately equivalent to a peak dose of 200 to 500 ppm 100% peracetic acid. For

intermittent doses, apply 1 to 12 times per day for a duration of 10 to 60 minutes. Apply 0.8 to 2.1 gallons Proxitane® WW-12 per 1000 gallons of water, producing a peak concentration of 800 to 2100 ppm of Proxitane® WW-12 during dosing. This is approximately equivalent to a peak dose of 100 to 250 ppm 100% peracetic acid. For continuous dosing, apply 0.2 to 1.4 gallons Proxitane® WW-12 to 1000 gallons of process water, producing a peak concentration of 200 to 1400 ppm of Proxitane® WW-12. This is approximately equivalent to 25 to 170 ppm 100% peracetic acid.

TREATMENT OF RAW AND PROCESS WATER - Proxitane® WW-12 may be applied to water at the inlet of the process water system or any other suitable point. Apply with either shock, intermittent, or continuous dosing. Shock dosing may be applied for a duration of 1 to 2 hours, as necessary, whereas intermittent dosing is applied for 2 to 15 minutes, 4 to 100 times per day. For either shock or intermittent dosing, apply 0.16 to 0.8 gallons Proxitane® WW-12 per 1000 gallons of water producing a peak concentration of Proxitane® WW-12 of 160 ppm to 800 ppm during dosing. This is approximately equivalent to a peak dose of 20 to 100 ppm 100% peracetic acid. For continuous dosing applications, apply 0.01 to 0.3 gallons Proxitane® WW-12 to 1000 gallons of water, producing a peak concentration of 10 to 300 ppm Proxitane® WW-12. This is approximately equivalent to 1 to 36 ppm 100% peracetic acid.

FOR DISINFECTION AND MICROBIAL CONTROL IN EFFLUENT TREATMENT SYSTEMS

Use Proxitane® WW-12 to treat sewage and wastewater effluent associated with public and private wastewater treatment plants. Proxitane® WW-12 can be applied, by itself, directly to the effluent or in conjunction with an appropriate activator, such as UV light. Apply Proxitane® WW-12 at any point where microbial control is essential. Apply 4 to 83 gallons of Proxitane® WW-12 per 1,000,000 gallons of wastewater (0.5 to 10 ppm of peracetic acid).

NOTE: The dosing rate for individual facilities will depend on the nature of the effluent (level of microbial control) and the local microbial discharge limit. Therefore, adjust the dosing rates to the levels appropriate for your facility. Do not exceed the maximum dose level of 83 gallons of Proxitane® WW-12 per 1,000,000 gallons of wastewater (or 10 ppm of peracetic acid). The PAA concentration will rapidly

decline after treatment. The maximum amount of PAA that can be discharged from the treatment facility is 1.0 ppm PAA. Use an appropriate PAA test kit or analyzer as recommended by Solvay Chemicals Inc. to ensure that this level is not exceeded. Contact your Solvay Chemicals technical representative for guidance on treatment regimes.

CONTROL OF ALGAL, FUNGAL, AND BACTERIAL GROWTH FOR NON-FOOD CONTACT PAPER USES.

TREATMENT OF STARCH USED FOR SIZING ON THE PAPER MACHINE - Apply Proxitane® WW-12 directly to the starch storage tank or through the circulation loop. Apply with either shock,

intermittent, or continuous dosing. Shock doses may be applied for 1 to 2 hours, whereas intermittent doses may be applied for 5 to 60 minutes up to 12 times per day. For either shock or intermittent dosing, apply 0.8 to 5 gallons Proxitane® WW-12 per 1000 gallons of starch solution to achieve 100 to 600 ppm 100% peracetic acid. For continuous dosing applications, apply 0.08 to 1.7 gallons Proxitane® WW-12 per 1000 gallons starch solution, producing a peak concentration of approximately 10 to 200 ppm 100% peracetic acid.

TREATMENT OF CLAYS USED AS COATINGS AND FILLERS ON THE PAPER MACHINE - Applications may be made at the recirculation loop or directly to the agitated slurry storage tank. Apply with either shock, intermittent, or continuous dosing. Shock doses may be applied for 1 to 2 hours, as necessary, whereas intermittent doses may be applied for 5 to 60 minutes, 1 to 12 times per day. For either shock or intermittent dosing, apply 0.4 to 0.8 gallons Proxitane® WW-12 to 1000 gallons clay slurry solution producing a peak concentration of approximately 50 to 100 ppm 100% peracetic acid. For continuous dosing applications, apply 0.04 to 0.8 gallons Proxitane® WW-12 to 1000 gallons of process water, producing a peak concentration of 5 to 100 ppm 100% peracetic acid.

COATINGS PRESERVATION - Proxitane® WW-12 can be used as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper coatings. Add 0.1 to 0.7 gallons of Proxitane® WW-12 solution to 1,000 gallons of

water. This will provide 100 to 700 ppm of Proxitane® WW-12 to 85 ppm 100% peracetic acid.

TREATMENT OF DISPERSED PIGMENTS - Proxitane® WW-12 can be used in the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin, clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate and kieselguhr used in paint and paper production. Add 0.12 to 0.6 lb. of Proxitane® WW-12 to each 1,000 lbs. of fluid. This will provide 120 to 600 ppm of Proxitane® WW-12, or 15 to 70 ppm 100% peracetic acid.

CONTROL OF ALGAL, FUNGAL, AND BACTERIAL GROWTH IN INDOOR CLOSED LOOP, NON-POTABLE, NON-FOOD CONTACT WATER SYSTEMS

TREATMENT OF RAW AND PROCESS WATER (such as heat exchanger system water, boiler water, wet scrubber water, etc.) - Proxitane® WW-12 may be applied to water at the inlet of the water system or any other suitable point. Apply with either shock, intermittent, or continuous dosing. Shock dosing may be applied for 1 to 2 hours, as necessary, whereas intermittent dosing is applied for 2 to 15 minutes, 4 to 100 times per day. For either shock or intermittent dosing, apply 0.16 to 0.8 gallons Proxitane® WW-12 per 1000 gallons of water producing a peak concentration of Proxitane® WW-12 of 160 ppm to 800 ppm during dosing. This is approximately equivalent to a peak dose of 20 to 100 ppm 100% peracetic acid. For continuous dosing applications, apply 0.01 to 0.3 gallons Proxitane® WW-12 to 1000 gallons of water, producing a peak concentration of 10 to 300 ppm Proxitane® WW-12. This is approximately equivalent to 1 to 35 ppm 100% peracetic acid.

TREATMENT OF COOLING WATER SYSTEMS (such as cooling towers, evaporative condensers, etc.) Severely fouled systems should be cleaned before treatment. Proxitane® WW-12 should be added to the system directly and not mixed with any other chemicals or additives. Contamination with other chemicals could result in lack of efficacy. Add Proxitane® WW-12 at a point in the system where uniform mixing and even distribution will occur such as the cooling tower basin sump. Shock doses may be applied for 1 to 2 hours, as necessary, whereas intermittent doses are applied for 5 to 60 minutes, 1 to 100 times per day. For either shock, intermittent or continuous dosing, apply 0.01 to 0.07 gallons Proxitane® WW-12 solution per 1000 gallons of water. This will provide 10 to 70 ppm of Proxitane® WW-12, or 1 to 9 ppm 100% peracetic acid. Repeat treatment as required to maintain control.

ACCEPTED

FOR MICROBIAL CONTROL ASSOCIATED WITH MICROBIAL CONTAMINATION IN OIL AND GAS APPLICATIONS

Under the Federal Insecticide, Fungicide, and Rodenticide Act, registered under EPA Reg. No. 63660-1

Use Proxitane WW-12 for controlling slime-forming and spoilage bacteria, biofilm, yeast and fungi and anaerobic sulfate reducing bacteria (*Desulfovibrio vulgaris*) in Subterranean Oilfield and Gas-Field Well Operations, such as well drilling, formation fracturing, productivity enhancement and secondary recovery. Use of Proxitane WW-12 can reduce reservoir souring and metal corrosion. Proxitane WW-12 must be introduced through a closed mixed/loading and delivery transfer system equipped with a metering device that is appropriate for its intended uses.

DRILLING MUDS, FRACTURING FLUIDS, WELL SQUEEZED FLUIDS - For the preservation of drilling muds, workover and completion fluids and other products susceptible to contamination, pre-mix Proxitane WW-12 with the fluid or add directly at the point of use at 5.3 oz. per 1000 gallons of water (5 ppm of peroxyacetic acid) to 106 oz. per 1000 gallons of water (100 ppm of peroxyacetic acid) as required. Depending on the severity of the contamination, initial application of Proxitane WW-12 may be added up to 1060 oz. per 1000 gallons of water (1000 ppm of peroxyacetic acid).

FLOODING, INJECTION, AND PRODUCED WATER - For water flooding operations, add Proxitane WW-12 initially at 5.3 oz. per 1000 gallons of water (5 ppm of peroxyacetic acid) to 106 oz. per 1000 gallons of water (100 ppm of peroxyacetic acid) and repeat until control is achieved. Subsequent treatment may be continued on a weekly basis or as required. Injection wells associated with gas storage systems may be treated up to 100 ppm when diluted in the formation of water. Any additional top-up water should be treated as required. For hydrostatic systems, apply 5.3 oz. of Proxitane WW-12 per 1000 gallons of water (5 ppm of peroxyacetic acid) to 106 oz. per 1000 gallons of water (100 ppm of peroxyacetic acid) depending on the water quality and the duration of the shut in.

PIPELINE AND TANK MAINTENANCE - For microbial control in water-bottoms in crude and refined hydrocarbon storage tanks, piping, and transportation systems. Apply 5.3 oz. of Proxitane WW-12 per 1000 gallons of water (5 ppm of peroxyacetic acid) to 106 oz. per 1000 gallons of

water (100 ppm of peroxyacetic acid) in the aqueous phase, directly injected into the water-bottom, pipeline or may be added to the hydrocarbon phase. Treatment may be applied daily or monthly for both storage and transportation systems as needed.

In all applications, always prepare a new solution daily to ensure effectiveness. Do not reuse solution. Dispose of unused solution.

Manufactured and Distributed by:
SOLVAY CHEMICALS, INC.

3333 Richmond Avenue, Houston TX 77098 USA
(713) 525-6500

For emergency, call CHEMTREC® (800) 424-9300

✓ A Reg No. 68660-1 EPA Est. No. 60156-IL-001

