

54289-4

11/27/2013

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

Tiana M. Rosamilia
Evonik Corporation
299 Jefferson Rd.
Parsippany, New Jersey 07054

NOV 27 2013

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Subject: Adding Use Directions for Oil Field and Gas Field Well Operations to Peraclean 15% (Peroxyacetic Acid Solution)
EPA Reg. No. 54289-4
Amendment Letter dated July 15, 2013

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), 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 your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions concerning this letter, please contact Elizabeth Watkins at (703) 346-0241.

Sincerely,

A handwritten signature in black ink that reads "M Swindell".

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

IN-FOOD CONTACT SURFACES) OF PIPES

TH RO MEMBRANES
 prevent from piping system. This includes activated
 change equipment. Turn off power to ultraviolet
 volume of water contained in the system (tanks,
). Prepare an appropriate volume of 0.33 to 0.5%
 fiding 0.33 to 0.5 gallons of the product for every
 reaped. Use RO permeate or similar quality water
 vide 554 to 840 ppm peroxyacetic acid and 813 to
 oxidize. Recirculate the diluted PERACLEAN® 15
 im for a minimum of 4 hours. Process usage valves
 used to expose interiors to the PERACLEAN® 15.
 em of dilute PERACLEAN® 15 solution. Thoroughly
 g with RO permeate or similar quality water and
 age. Repeat the process until test water reads
 in 3 ppm peroxigen.

PERACLEAN® 15
 (PEROXYACETIC ACID SOLUTION)
 SANITIZER/DISINFECTANT DEVELOPED FOR THE FOLLOWING USES:

DISINFECTION OF POULTRY PREMISES, TRUCKS, COOPS AND CRATES
 Remove all poultry and feeds from premises, trucks, coops and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with a detergent and rinsing water. Saturate surfaces with a 0.08% (0.5 fl. oz./5 gal.) solution of PERACLEAN® 15 for a period of 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house poultry or employ treatment until treatment has been absorbed, set or dried. Thoroughly scrub equipment racks, troughs, automatic feeders, fountains and waterers with a detergent and rinse with potable water before reuse. See your technical representative for specific recommendations for all cleaning and rinsing requirements.

DISINFECTION AND DECONTAMINATION OF ANIMAL HOUSING FACILITIES (BISBUS, KENNELS, HUTCHES, ETC.)
 Do not use in milking stalls, milking parlors, or milk houses for phenolics, cresylic acid, and pine oils). Remove animals and feed from premises, vehicles, and enclosures. Remove litter, waste matter, and gross soils from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering equipment. Thoroughly clean all surfaces with a detergent and rinse with water. Saturate surfaces with a 0.08% (0.5 fl. oz./5 gal.) solution of PERACLEAN® 15 for a period of 10 minutes. Immerse all hangers, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

CONTROL OF BACTERIA AND FUNGI IN NON-FOOD CONTACT DISPERSED PIGMENTS
 Prepare a solution of PERACLEAN® 15 by diluting 0.33 fluid ounce PERACLEAN® 15 with 5 gallons of water. As eggs are gathered or prior to setting, apply solution as a coarse spray so as to lightly wet all shell surfaces. NOTE: This product at its use dilution is compatible with stainless steel and aluminum surfaces. If product is intended to be used on any other surface, it is recommended that you apply product to a smaller test area to determine compatibility before proceeding with its use.

FOR TREATMENT OF RAW UNPROCESSED FRUIT AND VEGETABLE SURFACES
 For non-public health microorganisms that may cause decay and/or spoilage on raw, post-harvest fruits and vegetables during the washing process. This product can be applied during physical cleaning processes, including at the roller squeezer, washer manifold, dip tank, on the bushes or elsewhere in the washing process prior to, simultaneously with or after detergent wash.

1. Prepare treating solution by diluting 1 fluid ounce per 19 gallons of potable water. This will provide 85 ppm peroxyacetic acid and 125 ppm hydrogen peroxide.
2. Apply the diluted sanitizer solution using a coarse spray directed at the fruits or vegetables, or by soaking the fruits and vegetables in the solution. Allow a contact time of at least 45 seconds.
3. The treated produce can be drain dried without a potable water rinse.
4. Do not reuse solution after treatment.

FOR THE TREATMENT OF PROCESSED FRUITS AND VEGETABLES AND PROCESS WATERS TO CONTROL GROWTH OF NON-PUBLIC HEALTH MICROORGANISMS THAT CAN CAUSE SPOILAGE
1. Prepare treating solution by diluting 1.5 fluid ounces per 25 gallons of potable water. This will provide 80 ppm peroxyacetic acid and 117 ppm hydrogen peroxide.
2. Apply the diluted sanitizer solution as a spray or dip. Allow a contact time of at least 45 seconds. No rinse following application is required. This complies with the requirements of 21 CFR 173.315 (a) 5
3. The treated produce can be drain dried without a potable water rinse.
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BLEACHING CONTROL IN PULP AND PAPER MILL SYSTEMS
 For use in the manufacture of paper and paperboard intended for food-contact and non-food contact.
PERACLEAN® 15 can be used to control bacteria, fungi, and fresh water organisms in paper, paperboard, or nonwoven process water and influent water systems. Suitable dosing points include but are not limited to: stock chests, pulpers, the white water loop and white water storage systems and influent water streams.
 Contamination with other chemicals could result in product decomposition. Add PERACLEAN® 15 at a point in the system where uniform mixing and even distribution will occur.
 Use 0.1 to 0.5 lb. (1.4 to 6.85 fl. oz.) of PERACLEAN® 15 per 1000 gallons of solution as a continuous or intermittent slug treatment. This will provide 1.8 to 9 ppm peroxyacetic acid (12 to 60 ppm PERACLEAN® 15). Repeat treatment as required to maintain control.

Institutional/Industrial Sanitizing of Previously Flooded Non-Porous Food Contact Surfaces In:	Hard Surface Disinfection In:	Bacteria, Fungi, and Slime Control In:	Active Ingredients:
•Hospitals •Health Care Facilities •Schools •Colleges •Veterinary Clinics •Animal Life Science Laboratories •Industrial Facilities •Office Buildings •Recreational Facilities •Retail and Wholesale Establishments	•Hospitals •Health Care Facilities •Schools •Colleges •Veterinary Clinics •Animal Life Science Laboratories •Industrial Facilities •Office Buildings •Recreational Facilities •Retail and Wholesale Establishments	•Control in Paper Mill Systems •Dispersed Pigments •Cooling Water Systems •Coatings Preservation	Hydrogen Peroxide 22.0% Peroxyacetic Acid 15.0% Inert Ingredients: 63.0% Total: 100% Net contents as stated on container
•Food and Beverage Plants •Disinfecting Poultry Premises •Poultry Habitats •Animal Housing Facilities •Reverse Osmosis Membranes and Ultra Filtration			

EPA Reg No: 54289-4
EPA ESTAB. NO: 70253-CA-002
70547-IL-001

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Before Using This Product, Please Read This Entire Label Carefully.

KEEP OUT OF REACH OF CHILDREN

DANGER

Label not for use in California

FIRST AID

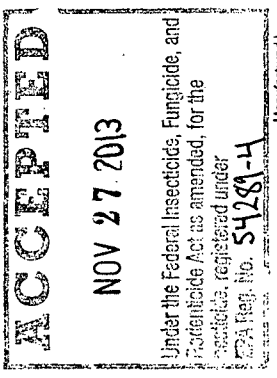
If in eyes: Hold eye open and gently wash with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.
 If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call poison control center or doctor for treatment advice.
 If swallowed: Have 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 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.
 Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through the skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes on skin or on clothing. Wear goggles and/or face shield and rubber gloves when handling. Do not enter an enclosed area without proper respiratory protection. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.
PHYSICAL AND CHEMICAL HAZARDS
STRONG OXIDIZING AGENT. Corrosive. Mix only with water. Product must be diluted in accordance with label directions prior to use. PERACLEAN® 15 is not combustible, however, at temperatures exceeding 150°F, decomposition occurs releasing oxygen. The oxygen released could initiate combustion.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish, and aquatic invertebrates. Caution should be used when applying indoors because pets may be at risk. 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 US Environmental Protection Agency.



EVONIK INDUSTRIES
 Manufactured by:
 Evonik Corporation
 299 Jefferson Rd
 Parsippany, New Jersey 07054-0677

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Bactericidal, Virucidal, Fungicidal, Tuberculocidal

For use on hard, non-porous surfaces.

Application:

PERACLEAN® 15 disinfects as it cleans in one operation. PERACLEAN® 15 can be used to disinfect floors, walls and other hard nonporous surfaces such as tables, chairs, countertops, bathroom fixtures, sinks, bed frames, doors, shelves, racks, carts, refrigerators, coolers, glazed tile, linoleum, vinyl, non-porous glazed porcelain, glazed ceramic, plastic (such as polypropylene and polyethylene), stainless steel, glass, aluminum, non-porous baked enamel, chrome, laminated or painted surfaces or sealed stone. PERACLEAN® 15 should not be used on marble or brass surfaces.

For health care, institutional, and industrial use.

Areas of use in hospitals: PERACLEAN® 15 may be used for surgical and obstetrical suites; housekeeping surfaces; physical therapy departments; nursing services; dental facilities; autopsy facilities; intensive care units; pharmacies; and clinical laboratories. Also, use PERACLEAN® 15 in homes, other health-care facilities, schools, colleges, veterinary animal life science laboratories, industrial facilities, office buildings, recreational facilities, industrial facilities; hotels; retail facilities; office buildings; retail and wholesale establishments.

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

Dilute PERACLEAN® 15 with the appropriate amount of water to an effective concentration of 1135ppm Peracetic acid and 1665ppm hydrogen peroxide (0.85 fl. oz per gallon of water). Apply solution with a cloth, mop, sponge, auto-scrubber, or hand pumped trigger sprayer such that all surfaces remain wet for 1 minute to kill bacteria, viruses, and fungi as cited on the label. Use a 3 minute contact time for Streptococcus pneumoniae, and Vancomycin-resistant Enterococcus faecalis. Use a 10 minute contact time for Poliovirus Type 1 and Tuberculocidal activity. PERACLEAN® 15 is effective against Mycobacterium bovis (TB surrogate) at ambient temperature (22°C). Allow surface to air dry. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or more often if the use solution becomes visibly clouded or diluted.

This product is not for use on medical device surfaces.

(OR)

Kills HIV-1 (AIDS Virus), HBV, and HCV:

On pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in health care settings or other settings in which there is an expected likelihood of soiling of surfaces/ objects with blood or body fluids, and in which the surfaces / objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis B Virus, or Hepatitis C Virus.

Special instructions for cleaning and decontamination against HIV-1 (AIDS Virus), HBV, and HCV of surfaces/ objects soiled with blood/body fluids. Personal Protection: Disposable protective gloves, gowns, face masks, or eye coverings as appropriate. Do not be worn during all cleaning of body fluids, blood and decontamination procedures. Cleaning Procedure: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application. Contact Time: HIV-1, HBV, and HCV are inactivated after 1 minute of contact.

Infectious material: Blood and other bodily fluids should be promptly and disposed of according to federal, state and local regulations for infectious waste disposal.

PERACLEAN® 15 is effective against the following organisms in 1 minute with 5% organic soil load and 400ppm hard water. For use on hard, non-porous surfaces.

* Contact time is increased to 10 minutes to be effective against Poliovirus Type 1 and Mycobacterium bovis (TB surrogate).

§ Contact time is increased to 3 minutes to be effective against Streptococcus pneumoniae and Vancomycin resistant Enterococcus faecalis (VRE).

Bacteria	Human viruses
Actinobacter baumannii ATCC 19606	Herpes simplex virus Type 1 ATCC VR-260
Clostridium perfringens ATCC 13124	Herpes simplex virus Type 2 ATCC VR-734
Community-associated MRSA, USA300 strain (CA-MRSA) CI 08001	Human immunodeficiency virus type 1 (HIV-1) (Zeptomatrix Corporation)
Escherichia coli O157:H7 ATCC 35150	Human Influenza A virus (A/Hong Kong/8/68-H3N2) SPAFAS
Klebsiella pneumoniae ATCC 4352	Human Rotavirus ATCC VR-2018
Listeria monocytogenes ATCC 19111	Poliovirus Type 1* ATCC 1562
Methicillin-resistant Staphylococcus aureus (MRSA) ATCC 33592	Respiratory Syncytial Virus ATCC VR-26
Methicillin-resistant Staphylococcus epidermidis (MRSE) ATCC 51625	Rhinovirus Type 37 ATCC 1147
Mycobacterium bovis (TB surrogate)*	
(Organon Teknika Corp)	Vaccinia virus ATCC VR-156
Pseudomonas aeruginosa ATCC 15442	Human Coronavirus strain 229e
ATCC VR-740	
Salmonella enterica ATCC 10708	Bovine viral diarrhoea virus (Human Hepatitis C surrogate) (American BioResearch Laboratories)
Salmonella enterica serovar Typhimurium ATCC 13311	Duck hepatitis B virus (Human Hepatitis B surrogate) (Hepanda Virus Testing)
Serratia marcescens ATCC 13880	Feline calicivirus (Norovirus surrogate) (University of Ottawa)
Shigella dysenteriae serotype 1 ATCC 29026	Animal viruses
Staphylococcus aureus ATCC 6538	Avian influenza A (Turkey/Wis/66-H9N2) SPAFAS
Streptococcus pneumoniae ATCC 6304	Fungi
Streptococcus pyogenes ATCC 19615	Candida albicans ATCC 10231
Vancomycin-intermediate Staphylococcus aureus (VISA) ATCC 700787	Trichophyton mentagrophytes ATCC 9533
Vancomycin-resistant Enterococcus faecalis (VRE) ATCC 51575	
Vibrio cholerae ATCC 14035	
Yersinia enterocolitica ATCC 35669	

FOR ANTIMICROBIAL USE WITH AQUEOUS TREATMENT; SUBTERRANEAN OILFIELD AND GAS-FIELD WELL OPERATIONS; DRILLING, FORMATION FRACTURING, PRODUCTIVITY ENHANCEMENT, AND SECONDARY RECOVERY.

Peraclean 15 can be used for control of slime form and spoilage bacteria, yeast and fungi and reducing bacteria, that lead to reservoir souring.

This product must be introduced through loading and delivery transfer system equipment device that is appropriate for its intended use.

DRILLING MUDS, FRACTURING FLUIDS, WELL SOLUTIONS

For the preservation of drilling muds, workover fluids and other product susceptible to contamination with the fluid or add directly at the point of 1000 gallons of water (5 ppm) to 7 to 1000 gallons of water (100 ppm) as required. Severity of the contamination, initial application up to 749 fluid ounces per 1000 gallons of water.

FLOODING, INJECTION AND PRODUCED WATER

For Water Flooding operations, add initially at 1000 gallons of water (5 ppm) to 75 fluid gallons of water (100 ppm) and repeat until control. Subsequent treatment may be continued on as required.

Injection wells associated with gas storage treated up to 100 ppm when diluted in the formation. Additional top-up water should be treated as required. For hydrostatic systems, apply 3.75 fluid gallons of water (5 ppm) to 75 fluid ounces of water (100 ppm) depending on the water duration of the shut-in.

PIPELINE AND TANK MAINTENANCE

For microbial control in water-bottoms in hydrocarbon storage tanks, piping and tanks Apply 3.75 fluid ounces per 1000 gallons of 75 fluid ounces per 1000 gallons of water aqueous phase, directly injected into the water or may be added to the hydrocarbon phase. Treatment may be applied daily or monthly to transportation systems as needed.

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Manufactured by:
Evonik Corporation
299 Jefferson Rd
 Parsippany, New Jersey 07054-0677



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Staphylococcus aureus ATCC 6538	Animal virusesΔ		
Streptococcus pneumoniae§ ATCC 6304	Avian influenza A (Turkey/Wis/66-H9N2) SPAFAS		
Streptococcus pyogenes ATCC 19615			
Vancomycin-intermediate Staphylococcus aureus (VISA) ATCC 700787	Fungi		
Vancomycin-resistant Enterococcus faecalis (VRE) § ATCC 51575	Candida albicans ATCC 10231		
Vibrio cholerae ATCC 14035	Trichophyton mentagrophytes ATCC 9533		
Yersinia enterocolitica ATCC 35669			

STORAGE AND DISPOSAL

Storage and Disposal
Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store in original containers in a cool, well-ventilated area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container unless the directions for use allow a different (concentrated) product to be diluted in the container.*

Containers less than 5 gallons:

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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Containers greater than 5 gallons:

Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand container on its end and tip back and for the several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat the procedure two more times. Then offer for recycling or dispose in a sanitary landfill, or by incineration, if allowed by state and local authorities by burning.

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FOR ANTIMICROBIAL USE WITH AQUEOUS TREATMENT FLUIDS IN SUBTERRANEAN, OILFIELD AND GAS-FIELD WELL OPERATIONS SUCH AS WELL DRILLING, FRACTURING, PRODUCEIVITY ENHANCEMENT AND SECONDARY RECOVERY.

Peraclean 15 can be for control of slime forming and spoilage bacteria, yeast and fungi and anaerobic sulfate reducing bacteria, that lead to reservoir souring and metal corrosion.

This product 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 product susceptible to contamination, pre-mix with the fluid or add directly at the point of use at 3.75 fluid ounces per 1000 gallons of water (5 ppm) to 75 fluid ounces per 1000 gallons of water (100 ppm) as required. Depending on the severity of the contamination, initial application may be added up to 749 fluid ounces per 1000 gallons of water (1000 ppm).

FLOODING, INJECTION AND PRODUCED WATER

For Water Flooding operations, add initially at 3.75 fluid ounces per 1000 gallons of water (5 ppm) to 75 fluid ounces per 1000 gallons of water (100 ppm) 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 water. Any additional top-up water should be treated as required.

For hydrostatic systems, apply 3.75 fluid ounces per 1000 gallons of water (5 ppm) to 75 fluid ounces per 1000 gallons of water (100 ppm) 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 3.75 fluid ounces per 1000 gallons of water (5 ppm) to 75 fluid ounces per 1000 gallons of water (100 ppm) 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.