



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg.

Number:

10707-59

Date of

Issuance:

OCT 2 2012

Term of Issuance:

Non-Conditional

Name of Pesticide Product:

X-CIDE 120

NOTICE OF PESTICIDE:

- x Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

George Katsigras
Baker Petrolite Corporation
12645 West Airport Boulevard
Sugar Land, TX 77478

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 non-conditionally registered in accordance with FIFRA sec 3(c)(5) provided that you:

- 1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
a. Revise the "EPA Registration Number to read, "EPA Reg. No. 10707-59".

Signature of Approving Official:

Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Handwritten signature of Marshall Swindell

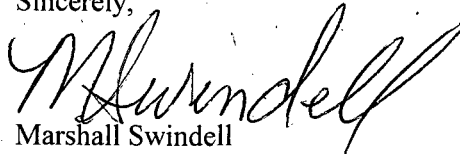
Date:

OCT 2 2012

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. Submit one (1) copy of your final printed labeling prior to release of this product for shipment. If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,



Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Enclosure: (Stamped Label)

X-CIDE™ 120

Alternate Names: X-CIDE™ 120 Industrial Bactericide, ALPHA 160

ACTIVE INGREDIENT:

Tetrakis (hydroxymethyl) phosphonium sulfate.....20%

OTHER INGREDIENTS:.....80%

TOTAL:100%

ACCEPTED
with COMMENTS
to EPA Label dated:

OCT 2 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 10707-59

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • 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.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • 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 INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center for further treatment advice.
HOT LINE NUMBER	
<p>IN CASE OF AN EMERGENCY endangering life or property involving this product, call toll free 800-231-3606. 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 mucosal damage may contraindicate the use of gastric lavage.</p>	

EPA Reg. No.10707-xxxxx

EPA Est. No.xx-xx-xx

MANUFACTURED BY:

BAKER PETROLITE CORPORATION

12645 West Airport Boulevard

Sugar Land, TX 77478

EMERGENCY CONTACT (24 HOURS PER DAY): 800-231-3606

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequent contact may cause allergic reactions in some individuals. Wear goggles

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and chemical resistant gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. For cooling water systems of equal to or greater than 4000 gallons, do not apply by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method.

ENVIRONMENTAL HAZARDS

This product 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.

ACCEPTED
in EPA Office Dated:
OCT 2 2012

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 10707-59

OIL FIELD AND PETROCHEMICAL OPERATIONS

This product is effective in controlling sulfate reducing bacteria, general aerobic bacteria, including microorganisms that contribute to biofilm formation in oil field recovery, processing and distribution applications and supporting systems; such as injection water, water holding tanks, disposal well water, recirculating water handling systems, and pipelines. This product has been shown to dissolve iron sulfide and sequester iron when used under these conditions, leading to improved filter life and well injectivity, and reduction of hydrocarbon sheen. This product is also effective for use in controlling microbial growth in fluids used for drilling and stimulation of oil wells.

WATER FLOODS

This product must be added to a water flood system at a point where uniform mixing will occur. **Initial Treatment:** For a noticeably fouled system, add 350-1312.5 ppm of this product (70-262.5 ppm THPS). When added to a flowing system, slug dose for 2-6 hours based on flow rates. Repeat as necessary until control is achieved. **Subsequent Treatment:** Once control has been achieved, add 52.5-367.5 ppm of this product (10.5-73.5 ppm THPS) weekly or as needed to maintain control. When added to a flowing system, slug dose for 2-6 hours based on flow rates. **Continuous Treatment:** This product can be dosed continuously at a level of 52.5-250 ppm (10.5-50 ppm THPS).

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

This product should be added at a point in the pipeline where uniform mixing will occur. The application should be conducted to ensure maximum distribution of this product through the entire internal surface of the pipeline by adding an amount of biocide which eventually comes out the other end of the pipeline. Criteria for success of the treatment will be reduction in bacterial count and/or corrosion rates. **Slug Dosing:** Follow instructions for water flood treatment. **Continuous Dosing:** This product can be dosed continuously at a level of 52.5-376 ppm (10.5-75 ppm THPS).

DRILLING MUDS, PACKER FLUIDS, COMPLETION AND WORKOVER FLUIDS

This product must be added to these fluids at a point where uniform mixing will occur. Add 122.5-5250 ppm of this product (24.5-1050 ppm THPS) to a freshly prepared fluid depending on severity of contamination.

GAS STORAGE WELL AND SYSTEMS [Not for use in California]

Individual injection wells should be treated with this product at the same application rates, and in the same manner as described under Water Floods. Injections should be repeated as needed to maintain control. Individual drips should be treated with a sufficient quantity of this product to produce a concentration of 125-500 ppm of this product (25-100 ppm THPS) when diluted by the water present in the drip. Injections should be repeated as needed to maintain control.

WELL REMEDIATION OPERATIONS [Not for use in California]

Individual production or injection wells may be bullheaded with this product to control bacteria and simultaneously dissolve iron sulfide deposits. This product will be pumped into the well as a solution in water containing from 50 to 100% this product (10-20% THPS). The well is shut-in for a period of time (at least 6 hours) then put back into operation.

HYDROTESTING [Not for use in California]

Water used to hydrotest pipelines or vessels should contain 250-2500 ppm of this product (50-500 ppm THPS), depending on water quality and length of time the equipment will remain idle.

AS TESTED
WATER SAMPLES
DATE
OCT 2 2012
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10707-59

PIPELINE PIGGING AND SCRAPING OPERATION

Add this product to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient amount of this product must be added to produce a concentration of 0.025% to 0.25% (50-500 ppm THPS) in the water at the discharge point or pig trap, depending on the length of the pipeline and the severity of biofouling.

HYDRAULIC FRACTURING [Not for use in California]

This product must be added to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole. Add 250-1312.5 ppm of this product (50-262.5 ppm THPS), depending on the degree of bacterial fouling in the source water.

PAPER AND PAPERBOARD MANUFACTURING (for control of bacteria, fungi and algae)

a) For use as a silicide in the manufacture of paper and paperboard products and adhesives that do not contact food. Dosing: Additions should be made at a point in the system where mixing action is good, e.g. raw stock chest beater or mixing unit. Add intermittently or continuously depending on mill conditions. Intermittent Dosing: Add 122.5-1750 ppm of this product (24.5-350 ppm THPS) based on total water volume or an equivalent based on dry weight of paper produced. Continuous Dosing: Add 70-245 ppm of this product (14-49 ppm THPS) based on total water volume or an equivalent based on dry weight of paper produced.

b) For use as a silicide in the manufacture of paper and paperboard products that may contact food. Dosing: Additions should be made at a point in the system where mixing action is good, e.g. raw stock chest beater or mixing unit. Add intermittently or continuously depending on mill conditions. Intermittent Dosing: Add 122.5-420 ppm of this product (24.5-84 ppm THPS) based on total water volume or an equivalent based on dry weight of paper produced. The maximum use concentration of THPS in the slurry cannot exceed 84 ppm. Continuous Dosing: Add 70-245 ppm of this product (14-49 ppm THPS) based on total water volume or an equivalent based on dry weight of paper produced. The maximum use concentration of THPS in the slurry cannot exceed 84 ppm.

c) For use as a preservative for Alkyl Ketene Dimer (AKD) Emulsions. This product can be used to prevent bacterial and fungal contamination of AKD emulsions that are applied to food-contact paper and paperboard at the dry end of the paper machine. Dosing: Apply from 875-2485 ppm of this product (175-497 ppm THPS) to the AKD emulsion to be preserved.

d) For use as a preservative to retard microbial growth in water-based coatings, starches, pigments and filler slurries. Do not use in paper and paperboard and adhesives that will contact food. [Not for use in California] The treatment rate necessary to retard spoilage of the additive will vary with the extent of contamination of make-up water and the length of storage. Dosing: Apply from 875-2500 ppm of this product (175-500 ppm THPS) to the additive to be preserved based on the total weight of the additive and water.

INDUSTRIAL FRESH WATER SYSTEMS [Not for use in California]

This product is effective in controlling algae in holding ponds and in controlling bacteria and fungi in holding and processing tanks of industrial fresh water systems supplying water to pulp and paper mills, textile mills, and other manufacturing plants. In pulp and paper mills, treatment of the fresh water with this product can make an important contribution to slime control. The use of this product as described will reduce the development of slime in fresh water pipes and other equipment, and on the pulp and paper

mill machine parts contacted by fresh water. If water is used in the manufacture of paper and paperboard products that may contact food, the concentration of THPS in the slurry car, not exceed 84 ppm. For the control of algae in industrial fresh water systems, this product must be added to provide a concentration of 5-50 ppm of product (1-10 ppm of THPS). Treatment should be based on the amount of water entering pond or reservoir or leaving the pond or reservoir and entering the immediate

ACCEPTED with COMMENTS in EPA Letter Dated: OCT 2 2012

INDUSTRIAL WASTEWATER SYSTEMS (Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks) [Not for use in California]

This product must be added to a wastewater system or sludge at a convenient point of uniform mixing such as digester. Slug Dosing: Add 200-1312.5 ppm of this product (40-262.5 ppm THPS) per 1,000 gallons of wastewater or sludge. Continuous Dosing: Add 5-100 ppm of this product (1-20 ppm THPS) per 1,000 gallons of wastewater or sludge.

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MACROFOULING CONTROL [Not for use in California]

This product must be added continuously to maintain a level of 20 ppm active ingredient (THPS) in the system for a period of at least 96 hours. Initial Dose: When macrofouling is present in the system, apply 100 ppm of this product (20 ppm THPS) based on total water volume. Continue to add this product as needed to maintain the 20 ppm active ingredient (THPS) level for a period of at least 96 hours.

FIRE PROTECTION SYSTEMS

This product is effective at controlling microbial growth in waters and on pipe surfaces in fire protection systems. Such microbial growth when combined with other forms of corrosion can lead to accelerated corrosion rates and pitting corrosion, commonly referred to as microbiologically influenced corrosion. This product also helps to remove free oxygen from the water, thus eliminating an important nutrient for bacteria and an important reactant in many corrosion reactions. This product must be added to a fire protection system using a chemical metering pump capable of variable pump rates. This product must be injected at a point, such as a riser, manifold or makeup feed water line, where uniform mixing and distribution will occur. Add 375-1500 ppm of this product (75-300 ppm THPS) depending on severity of microbial contamination in the system. Repeat as needed.

INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING WATER SYSTEMS (for control of bacteria, fungi and algae)

Note: For cooling water systems of equal to or greater than 4000 gallons, do not apply by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method. Initial Slug Dose: Add 200-1312.5 ppm of this product (40-262.5 ppm THPS) for 2-6 hours based on total water volume. Repeat until control is obtained. Thereafter, add either intermittently 131.25-525 ppm of this product (26-105 ppm THPS) or continuously 70-245 ppm of this product (14-49 ppm THPS) per day. Dirty systems must be cleaned prior to treatment.

HEAT TRANSFER SYSTEMS (Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, Brewery and Other Pasteurizers, and Warmers)

Add this product at the same application rates, and in the same manner as described above. It must be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

SERVICE WATER AND AUXILLIARY SYSTEMS

This product must be added to service water and auxiliary systems at the same application rates and in the same manner as described in the Heat Transfer Systems. It must be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

AIR WASHER SYSTEMS (For control of bacteria and fungi) [Not for use in California]

This product may be used only in air washer systems which have mist eliminating components. Pre-clean the system with detergent and allow air washer to run with fan on for two hours. Flush and check nozzles,

manually cleaning as necessary. Add 131.25-350 ppm of this product (26-70 ppm THPS) at a point where uniform mixing and even distribution will occur. Repeat as needed to maintain control.

COATINGS, PIGMENTS, AND FILLER SLURRIES [Not for use in California]

Note: Do not use in paper and paperboard and adhesives that will contact food.

For use as a preservative to retard microbial growth in water-based coatings, starches, pigments and filler slurries. The treatment rate necessary to retard spoilage of the additive will vary with the extent of contamination of make-up water and the length of storage. Dosing: Apply from 875 to 2500 ppm of this product to the additive to be preserved based on the total weight of the additive and water.

EMULSION AND SOLUTION PRESERVATION [Not for use in California]

Note: Not for use in manufacture of paper and paperboard products and adhesives that may come in contact with food.

For the preservation of solutions, emulsions, adhesives and other aqueous liquid products, add 0.0875% to 0.875% of this product. Add at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. The exact amount of this product to be added for the preservation of given formulations will depend on the components as well as local storage time and requirements.

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WITH COMMENTS
OCT 2 2012

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. Keep container tightly closed when not in use. In case of a spill, flood the area with large quantities of water.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10707-59

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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 HANDLING AND DISPOSAL: Nonrefillable container 5 gallons or less. Do not reuse or refill this container. Offer for recycling or reconditioning if appropriate. Triple rinse or pressure rinse container (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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank of collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

CONTAINER HANDLING AND DISPOSAL: Nonrefillable container greater than 5 gallons.

Do not reuse or refill this container. Offer for recycling or reconditioning if appropriate. Triple rinse or pressure rinse container (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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

CONTAINER HANDLING AND DISPOSAL: Refillable container. Refill this container with THPS only.

Do not use this container for any other purpose. Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the

refiller. Pressure rinse the container for final disposal as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

NET WEIGHT: Drums, Bulk, or as marked on container
Lot No.: as marked on container

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in EPA Letter Dated:

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