U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
_X_ Registration
___ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	**Date of Issuance:**
10707-63	12/21/2015

Term of Issuance:
Conditional

Name of Pesticide Product:
XC408 Biocide

Name and Address of Registrant (include ZIP Code):

Baker Petrolite LLC
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 Antimicrobials 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 (FIFRA), as amended. 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 her/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.

Submit one (1) copy of final printed labeling. Amended labeling will supersede all previously accepted labels. A copy of your label stamped "Accepted" is enclosed for your records. Products shipped after 12 months from the date of this Notice or the next printing of your label, whichever occurs first, must bear the new revised label.

This product is conditionally registered in accordance with FIFRA section 3(C)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

E. Miederhoff

Eric Miederhoff
Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Date: 12/21/2015

2. You are required to comply with the data requirements described in the DCI Order identified below:

    a. Alkyl* dimethyl benzyl ammonium chloride *(67%C12, 25%C14, 7%C16, 1%C18) GDCI-069175-30909

    You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI Order listed above, you may contact the Reevaluation Team Leader (Team 36): http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated December 9, 2015
- Alternate CSF #3 dated December 9, 2015

If you have any questions, please contact Cletis Jamil Mixon at, mixon.cletis@epa.gov, or Eric Miederhoff at, miederhoff.eric@epa.gov, (703) 347-8028 during the hours 7 am to 5 pm EST

Enclosure

XC408 Biocide

A microbiocide for use in controlling bacteria and slime forming bacteria in oil well drilling, oil field processing applications, oil field water systems, oil and gas productions and transmission pipelines and systems, and gas storage fields and equipment; such as steam-injection water holding tanks, flood water, injection water, holding pond water, disposal-well water, water holding tanks, fuel storage tanks and related refinery and oil field closed, industrial recirculating water handling systems. This product has been designed specifically for control of sulfate-reducing bacteria (SRB) and slime forming bacteria that contribute to souring, the production of sulfide, and abiotic corrosion in oil field applications/systems. This product is highly effective in the control of mixed aerobic and anaerobic bacteria oilfield waters ranging from fresh water to moderately saline solutions but not in heavy brine.

ACTIVE INGREDIENT

n-Alkyl (67%C_{12}, 25%C_{14}, 7%C_{16}, 1%C_{18}) dimethyl benzyl ammonium chloride…..30.0%

OTHER INGREDIENTS: 70.0%

TOTAL:……..100.0%

Contains Sodium Nitrite
Weight: Approx. 8 lbs./gal.

ACCEPTED
12/21/2015
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10707-63

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Keep out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. May be fatal inhaled or absorbed through the skin. Harmful if swallowed. Do not get into eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter. Wear protective eyewear (goggles, face shield or safety glasses), rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIROMENTAL HAZARD

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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.
Do not mix with soap, anionic detergents or oxidizers.

KEEP OUT OF REACH OF CHILDREN

DANGER

See side panel of label for additional precautionary statements.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: 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 IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice

IF SWALLOWED: 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 INHALED: 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 or doctor for further treatment advice.

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

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Please read entire label and use strictly in accordance with precautionary statements and directions.

Specific treatment requirements vary among oil and/or gas field sites and subsystem components. Oil field fluids and subsystems most commonly requiring microbial contamination control are raw water sources, separators, ballast, storage and mixing tanks, screens, surface injection equipment, production equipment (such as injection and production piping casting, completion and valving) and the formation itself. The primary point of treatment will vary among oil and/or gas field operations depending on the site problems, water-flood treatment methods and equipment. This product must be added where it will disperse rapidly and uniformly to the desired area of treatment.

Additions of this product must be made with the proper type of metering pump equipment, suction (low pressure) side of pumping equipment or similar device. This product can be added to the system by slug, continuous or on an intermittent basis, depending on the degree of system found.

OIL FIELD WATER FLOOD OR SALT WATER DISPOSAL SYSTEM AND FRACTURING FLUIDS

This product must be added to the water flood or salt water disposal system at a point of uniform mixing.
For the control of slime forming and sulfate reducing bacteria in oil field water flood or salt water disposal systems, add 1.5 – 3.125 gallons (5 – 10 ppm on an active quaternary basis) per 96,000 gallons of water, continuously. Levels for effective control will vary depending on conditions at the site. For intermittent use, dose at a rate of 1.6 – 6.4 gallons (5 – 20 ppm on an active quaternary basis) per 96,000 gallons of water for 4 to 8 hours per day, one to four times a week as needed to maintain control. For treatment of flow back return water (Post Hydraulic Fracturing, dose at a rate of 5-20 ppm active of this product (1.5 – 6.25 gallons per 3,000 barrels of water) for 4 to 8 hours per day, one to four times a week as needed to maintain control.

OIL FIELD INJECTION AND WASTE WATER

This product should be added to the water handling system at a point of uniform mixing such as the area of addition of make-up water to the holding tank.

Method of Application: **Continuous Injection:** Add this product at 30 ppm active (13 fluid ounces per 1000 gallons of water) when system is noticeably fouled. When microbial control is evident, add this product at 15 ppm active (6.5 fluid ounces per 1000 gallons of water) to maintain control. **Batch Treatment:** Add this product at 180 ppm active (77 fluid ounces per 1000 gallons of water) over a period of 4 – 6 hours one or more times per week when the system is noticeably fouled. When microbial control is evident, add this product at 90 ppm active (38.5 fluid ounces per 1000 gallons of water) over a period of 4 – 6 hours one or more time per week.

(OR)

For use in oil field and/or petrochemical water subsurface injection systems of secondary and/or tertiary oil recovery systems to reduce the number of anaerobic bacteria, aerobic bacteria, and sulfate-reducing bacteria.

DOSING LOCATION (site of use)**:** This product is to be applied at a point in the recovery system where it will be uniformly mixed, such as at the screens, storage tanks and other mixing device locations. **DOSING CONDITIONS:** This product should be applied when the system is in jeopardy of being affected. Badly fouled systems must be cleaned before treatment is begun. **EQUIPMENT USED:** Use the injection pump to apply the product. **USE LIMITATIONS:** Dependent upon pH, temperature and salt content, adjust according to conditions found at the site as needed to maintain control. **DOSAGE APPLICATIONS: SLUG METHOD: Initial Dose:** When the system is noticeably fouled, apply 25.6 ounces (60 ppm active ingredient) of this product per 1000 gallons of water in the system. Apply for 3 to 8 hours daily until control is achieved. **Subsequent Dose:** When microbial control is evident, add 12.8 ounces (30 ppm active ingredient) of this product per 1000 gallons of water in the system daily or as needed to maintain control. **INTERMITTENT DOSAGE: Initial Dose:** When the system is noticeably fouled, apply 25.6 ounces (60 ppm active ingredient) of this product per 1000 gallons of water in the system. Apply for 3 to 8 hours daily until control is achieved. **Maintenance Dose:** When control of microbial growth is evident, apply 12.8 gallons (30 ppm active ingredient) of this product per 1000 gallons of water in the system daily or as needed to maintain control. **CONTINUOUS FEED METHOD: Initial Dose:** When the system is noticeably fouled, apply 6.4 ounces (15 ppm active ingredient) of this product per 1000 gallons of water in the system. **Subsequent Dose:** Maintain this treatment by starting a continuous feed of 6.4 ounces (15 ppm active ingredient) of this product per 1000 gallons of water daily or as needed to maintain control.

OIL AND GAS PRODUCTION AND TRANMISSION PIPELINES AND SYSTEMS

For the control of sulfate-reducing bacteria and slime forming bacteria, this product must be added at a point in the production or transmission pipeline via direct injection where uniform and maximum distribution will occur. The application must be conducted to ensure maximum distribution of the product through the 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. To facilitate applications, it is desirable to dilute the product with an appropriate solvent immediately before use. The concentration in the solvent must not fall below an active concentration range of 500 to 5,000 ppm (16.8 to 168 gallons per 10,000 gallons) based on the volume of water in the pipeline. Injections to the system must be weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS
Individual injection wells must be treated with a sufficient quantity of this product to produce concentration of 65-1000 ppm (0.7 - 9.7 gallons per 3,200 gallons) (on an active quaternary basis) when diluted by the water present in the formation. Injection should take place before gas is injected (during the summer). Injections must be repeated yearly or as needed to maintain control.

PIPELINE PIGGING AND SCRAPING OPERATIONS
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 the trailing pig). Sufficient product is added to produce an effective concentration of 75 – 500 ppm on an active quaternary basis (3.2 to 21.3 ounces per 100 gallons of water) depending on the length of the pipeline and the severity of the biofouling.

DRILLING, COMPLETION AND WORKOVER FLUID SYSTEMS
This product is to be applied to these fluid systems at a point of uniform mixing, such as a circulating holding tank and other mixing device locations. **Initial treatment:** Add 65 – 1000 ppm (on an active quaternary basis) of this product (0.7 - 9.7 gallons per 3,200 gallons) to a freshly prepared fluid. Levels for effective control will vary depending on conditions at the site and the severity of the contamination. **Maintenance dosage:** Add 65 – 1000 ppm (on an active quaternary basis) of this product (1 to 16.7 gallons of this product per 3,200 gallons) to the fluid. Levels for effective control will vary depending on conditions at the site and the severity of the contamination.

PACKER FLUIDS
This product is to be added to the packer fluid at a point of uniform mixing such as a circulating holding tank and other mixing device locations. Add 0.7 - 9.7 gallons of this product per 3,200 gallons of packer fluid. This product is applied to a freshly prepared fluid. Levels for effective control will vary depending on conditions at the site and the severity of the contamination. Seal the treated packer fluid in the wall between the casing and the production tube.

HYDROTESTING
Treat water in the hydrotest pipelines or vessels with 65 – 1000 ppm on an active quaternary basis (0.2 to 3.3 gallons per 1000 gallons of water) of this product, depending on the water quality and length of time the equipment will remain idle.

AUXILLARY SERVICE WATER AND WASTE WATER SYSTEM
This product is effective for the control of odor-forming and slime-forming bacterial, fungi and algae in auxiliary service water systems such as fire protection systems and pump or screen bays, water waste systems such as storage tanks, storage piles, associated piping, setting ponds or lagoons, transport spillways or canals and disposed wells. Add 5 – 180 ppm (active) of this product (1.575 - 56 gallons per 96,000 gallons of water) continuously. This product must be added to the system at a point of uniform mixing by slug or intermittent feed or by spraying onto a waste pile. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additions to water systems must be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

INDUSTRIAL WATER TREATMENT

This product aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, industrial and commercial cooling towers, influent systems such as flow through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers.

*(**Note to Reviewer:** This paragraph will be used only for Once Through Cooling Systems)*
Use of the product in either public/municipal or single or multiple family private/ residential potable/drinking water systems is strictly prohibited. Use of the product in any cooling water system that discharges effluent within ¼ mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING WATER TOWERS, RETORT WATER SYSTEMS, EVAPORATIVE CONDENSERS, HEAT EXCHANGE WATER SYSTEMS, INFLUENT SYSTEMS
Dosing Location: This product is to be applied at a point in the system where it will be uniformly mixed, such as at the sump. **Dosing Conditions:** This product must be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired. **Method of Application:** ***INTERMITTENT OR SLUG METHOD: I*****nitial Dose:** When the system is noticeably fouled, apply 8.55 to 17.07 fluid ounces (20 to 40 ppm on an active quaternary basis) per 1000 gallons of water in the system. Repeat every seven days or increase frequency if needed. **Subsequent Dose:** When microbial control is evident, add 2.15 to 6.41 fluid ounces (5 to 15 ppm on an active quaternary basis) per 1000 gallons of water in the system weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun. Should slime develop again, repeat initial dosage. ***MODIFIED INTERMITTENT METHOD:*** **Initial Dose:** When the system is noticeably fouled, apply 8.55 to 17.07 fluid ounces (20 to 40 ppm on an active quaternary basis) per 1000 gallons of water in the system. Apply half of this initial dose when half of the water in

the system has been lost by blowdown. **Subsequent Dose:** When control of microbial growth is evident, apply 2.15 to 6.41 fluid ounces (5 to 15 ppm on an active quaternary basis) per 1000 gallons of water in the system. Apply half of this subsequent dose when half of the water in the system has been lost by blowdown. Badly fouled systems must be cleaned before treatment is begun. Repeat weekly as needed. Should slime develop again, repeat initial dosage.

(OR)

Method of Application: INTERMITTENT OR SLUG METHOD: When this treatment is required, add this product at the rate of 8.55 to 17.07 ounces per 500 gallons of water already in the system, or being added to the system, for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 2.15 to 6.41 ounces per 1000 gallons of water in the system. ***CONTINUOUS FEED METHOD:*** **Initial Dose:** When the system is noticeably fouled, apply 8.55 fluid ounces (20 ppm on an active quaternary basis) per 1000 gallons of water in the system. **Subsequent Dose:** Maintain this treatment by starting a continuous feed of 2.15 fluid ounces (5 ppm on an active quaternary basis) per 1000 gallons of water lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

ONCE THROUGH FRESH AND SEA WATER COOLING SYSTEMS

Dosing Location: This product is to be applied at a point in the system where it will be uniformly mixed, such as at the sump. **Dosing Conditions:** This product must be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired. **Method of Applications:** a) Wear safety glasses, rubber gloves and impervious apron. b) Add product directly from drum or add the product at a point where it will be mixed uniformly. c) To reduce foaming, mix 2 parts of water to 1 part of this product. d) Add 0.43 to 4.3 fluid ounces (1-10 ppm on an active quaternary basis) per 1,000 gallons. e) Do not discharge without performing proper deactivation. To perform deactivation, use Bentonite Clay. The minimum ratio to be used is 6 ppm of clay to 1 ppm of product. f) Do not use product more than 4 times per year. g) Treatment time cannot exceed 120 hours/application. h) Avoid oxidizers and reducing agents. Product is cationic and must not be mixed with soap or anionic surfactants.

TO DEACTIVATE: Use bentonite clay at the minimum ratio of 6 ppm clay to 1 ppm product. Deactivation must occur prior to discharge of the NPDES outfall. Do not apply this product more than 4 times a year.

STORAGE AND DISPOSAL

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

(For use on non-refillable containers)

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Keep from freezing. If a leaky container must be contained within another, mark the outer container to identify the contents. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **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 DISPOSAL:** Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides (rinsate). Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. **RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, empty the remaining contents from this container into the application equipment or a mix tank. Fill the container ¼ 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 then 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. Agitate vigorously or recirculate water for 30 seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times.

(For use on refillable containers)

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. **PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. If a leaky container must be contained within another, mark the outer container to identify the contents. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **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.

(For use on all refillable containers except fixed tank containers)

CONTAINER HANDLING/RESIDUE REMOVAL INSTRUCTIONS: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. To clean the container before final disposal, empty the remaining contents from this container into the application equipment or a mix tank. Fill the container ¼ 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 then 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. Agitate vigorously or recirculate water for 30 seconds)]. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Follow Pesticide Disposal instructions for rinsate disposal.

(Note: To be used on fixed tanks only)

CONTAINER HANDLING/RESIDUE REMOVAL INSTRUCTIONS: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. To clean the container before final disposal; empty the remaining contents from this container into application equipment or a mix tank. Drain rinsate into application equipment and dispose of according to Pesticide Disposal instructions. Triple rinse container (or equivalent) promptly after emptying. Continue to drain for 10 seconds after the flow ends. Repeat this procedure two more times.

Manufactured by:
BAKER PETROLITE LLC
12645 W. Airport Blvd.
Sugar Land, TX 77478

EPA Reg. No. 10707-63
EPA Est. No. xxxxx-xx-x
Net Contents: x gal.

*(**Note to Reviewer:** The following may apper on the label or the container)*
(Emergency Telephone Numbers:)
(Emergency Contact (24 hrs. per day): 800-231-3606)
(Manufacturing or Fill Date)
(Lot no.)
(Read Product Safety Data Sheet prior to use. PRODUCT WARRANTY, DISCLAIMER AND LIMITATION OF LIABILITY ARE FOUND on the Product Safety Data Sheet. Unless inconsistent with applicable law, use of Product signifies agreement with these provisions.)