



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

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:

10707-70

Date of Issuance:

5/22/25

Term of Issuance:

Conditional

Name of Pesticide Product:

X-CIDE 110 INDUSTRIAL
BACTERICIDE

Name and Address of Registrant (include ZIP Code):

Sean C. Landry
Sr. Registration Specialist
Baker Petrolite, LLC
Electronic Transmittal: sean.landry@bakerhughes.com

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 under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

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 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:

Luisa C. Samalot-Freire, Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510M)
Office of Pesticide Programs
U.S. Environmental Protection Agency

Date:

5/22/25

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

- a. ADBAC GDCI-069105-30882
- b. Glutaraldehyde GDCI-043901-30859

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

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
- Revise the EPA Registration Number to read, "EPA Reg. No. 10707-70."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). 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) lists 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, FIFRA section 12(a)(1)(B). 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 Assurance.

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 05/24/2024

If you have any questions, please contact Carlos Corona via email at Corona.Carlos@epa.gov.

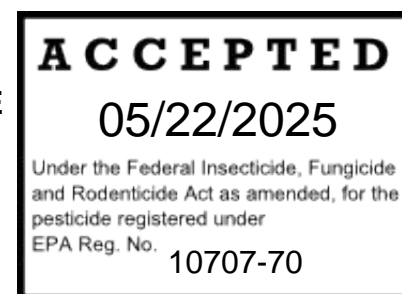
Enclosure: Stamped Label

10707-TN X-CIDE™ 110 INDUSTRIAL BACTERICIDE EPA Master Label 19-May-2025

X-CIDE™ 110 INDUSTRIAL BACTERICIDE**Alternate product names:**

XC110

X-CIDE™ 110 BIOCID



Controls bacteria in metalworking fluids containing water; controls bacteria in industrial recirculating water cooling towers and reverse osmosis systems; controls slime-forming bacteria in air-washing systems, and in enhanced oil recovery systems, hydrotesting, and other oilfield & petrochemical systems: oil recovery, processing and distribution applications and supporting systems, such as injection water (drilling muds, packer fluids, completion & workover fluids, fracturing fluids), water holding systems or tanks, disposal well water, gas production & transmission pipelines, and pipeline pigging & scraping operations.

Active Ingredient:

Glutaraldehyde..... 5.0%

Alkyl (C₁₄ 50%, C₁₂ 40%, C₁₆ 10%) dimethyl benzyl ammonium chloride..... 10.0%**Other Ingredients:** 85.0%**TOTAL:** 100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • Wash immediately and continuously with flowing water for at least 30 minutes. • Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. • Call a poison control center or doctor immediately for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • If the person is fully alert and cooperative, have the person rinse mouth with plenty of water. Have the patient drink 4 to 10 ounces (120-300 mL) of water or milk. • Do not induce vomiting. Do not attempt mouth rinse if the person has respiratory distress, altered mental status, or nausea and vomiting.

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	<ul style="list-style-type: none"> • Call a physician and/or transport to emergency facility immediately. See Note to Physician.
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 poison control center or doctor for further 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.
NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.	
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY endangering life or property involving This product, contact (24 Hours per Day) (800) 231-3606 . Have product container or label with you when calling a poison control center or doctor or going for treatment.	

EPA Reg. No. 10707-TN
EPA Est. No.

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

NET CONTENTS: As marked on the label and/or container

Lot No: As marked on the label and/or container

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. Causes irreversible eye damage and skin burn. May be fatal if swallowed or inhaled. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breath vapor or spray mist. Wear protective eyewear, such as goggles, face shield, or safety glasses. Wear a long-sleeved shirt and long pants,

socks, chemical-resistant footwear, and chemical-resistant gloves (such as Barrier Laminate, Butyl Rubber ≥14 mils, Nitrile Rubber ≥14 mils, Viton ≥14 mils) and a chemical-resistant apron when mixing and loading. Wear a minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and a combination N1, R, or P filter; OR a NIOSH-approved gas mask with OV canisters; OR a NIOSH-approved powered air-purifying respirator with OV cartridges and combination HE filters. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, oysters, and shrimp. 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.

Personal Protective Equipment

Applicators and other handlers must wear: goggles or face shield, long-sleeve shirt, long pants, shoes, socks, chemical-resistant gloves (such as butyl rubber) and chemical resistant apron.

User Safety Requirements: Follow manufacturer's instructions for cleaning & maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations: Users must wash hands before eating, drinking, chewing gum, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

STORAGE AND HANDLING

This product is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. This product can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 27°F (-3°C). Therefore, unless the storage tank is inside or underground, heating and insulation may be

required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100°F (37.8°C) can be tolerated but the preferred maximum storage temperature is about 80°F (26.7°C). A stainless-steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® Polymer is suitable for gaskets and packing. Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required. The product in its undiluted form must not be used in a spray, fogging or aerosol application.

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. 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 containers with capacities greater than 5 gallons. Triple rinse as follows: Empty the remaining contents into 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. Stand the container on its 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.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

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

WATER FLOODS

This product must be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 300 to 15,000 ppm of this product to the system (0.3 to 14.5 gallons THIS PRODUCT per 1,000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 60 to 15,000 ppm of this product (0.06 to 14.5 gallons of this product per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

FRAC FLUIDS**Not registered for this use in the State of California.**

This product reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add this product to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole.

Dose Range: This product must be added at a rate of 360 to 17,900 ppm (3.5 - 172.5 gallons per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

This product must be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 150 to 3,000 ppm of this product (0.6 to 12.2 gallons of this product per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

Maintenance Dosage: Maintain a concentration of 150 to 3,000 ppm of this product by adding 0.6 to 12.2 gallons of this product per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

This product must be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 150 to 1,800 ppm of this product (0.6 to 7.3 gallons of this product per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

OIL PRODUCTION AND TRANSMISSION PIPELINE SYSTEMS:**Product not registered for this use in the State of California.**

This product must be added to an oil production or transmission line via direct injection. The application should be conducted in such a manner to ensure maximum distribution of this product throughout the entire internal pipeline surface by adding a sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the product with an appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

GAS PRODUCTION AND TRANSMISSION PIPELINE SYSTEMS

This product must be added to a gas production or transmission line via direct injection. The application should be conducted in such a manner to ensure maximum distribution of this product throughout the entire internal pipeline surface by adding a sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the product with an

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appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

HYDROTESTING

Water used to hydrotest pipelines or vessels must contain 300 to 12,000 ppm of this product (0.3 to 11.8 gallons of this product per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells must be treated with sufficient quantity of this product to produce a concentration of 1,500 to 15,000 ppm of this product when diluted by the water present in the formation. Injection should take place before gas is injected (during the summer). Injections should be repeated yearly, or as needed to maintain control. Individual drips must be treated with a sufficient quantity of this product to produce a concentration of 600 to 6,000 ppm of this product when diluted by the water present in the drip. Injections should 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 a trailing pig). Sufficient of this product must be added to produce a concentration of 0.3 to 3% (0.29 to 2.9 gallon of this product per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

Note to Reviewer

{Optional non-FIFRA related statements depicted on the label stock}

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.

Lea la Hoja de Seguridad del Producto antes de usarlo. LA GARANTIA DEL PRODUCTO, DECLINACION Y LIMITACION DE RESPONSABILIDAD SE ENCUENTRAN en la Hoja de Seguridad del Producto. A menos de que sea inconsistence con la ley, el uso del producto significa acuerdo con estas disposiciones

NFPA Diamond

Internal codes / sku

Company logo

QR code

Barcode

Emergency numbers

Net and Gross Weight

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Net and Gross Volume

Transportation info: Instructions to affix DOT labels, UN#, DOT proper shipping name

{SPANISH ADVISORY STATEMENTS}

(Note to Reviewer: This statement is optional except when used on labels with agricultural uses.) {SI USTED NO ENTIENDE LA ETIQUETA, BUSQUE A ALGUIEN PARA QUE SE LA EXPLIQUE A USTED EN DETALLE. IF YOU DO NOT UNDERSTAND THE LABEL, FIND SOMEONE TO EXPLAIN IT TO YOU IN DETAIL.}

Rev. (05/25)