



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

**EPA Reg. Number:**

10707-64

**Date of Issuance:**

3/8/17

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

**Term of Issuance:**

Conditional

**Name of Pesticide Product:**

X-CIDE 104 Industrial Bactericide

**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 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 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:**

John Hebert, Chief  
 Regulatory Management Branch I, Antimicrobials Division  
 (7510P)

**Date:**

3/8/17

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

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): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-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. 10707-64."
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 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 2, 2016

If you have any questions, please contact Terria Northern by phone at 703-347-0265, or via email at [northern.terria@epa.gov](mailto:northern.terria@epa.gov).

Enclosure: Stamped Label

# X-CIDE™ 104 Industrial Bactericide

A HIGHLY EFFECTIVE MICROBIOCIDE FOR USE IN CONTROLLING BACTERIA INCLUDING SLIME-FORMING BACTERIA AND SULFATE-REDUCING BACTERIA, FUNGI (YEAST AND MOLDS) AND ALGAE IN OIL WELL DRILLING, OIL FIELD PROCESSING APPLICATIONS, OIL FIELD WATER SYSTEMS, OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS, AND GAS STORAGE FIELDS AND EQUIPMENT. EXAMPLES INCLUDE: STEAM-INJECTION WATER HOLDING TANKS, STORAGE TANKS, FLOOD WATER, FRACTURING FLUIDS, 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.

**FOR USE IN INDUSTRIAL PROCESSES ONLY.**

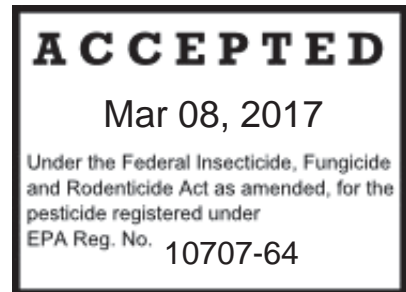
**NOT FOR DOMESTIC USE.**

ACTIVE INGREDIENT:

Glutaraldehyde..... 4.0%

INERT INGREDIENTS: ..... 96.0%

TOTAL: ..... 100.0%



**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

<b>FIRST AID</b>	
<b>Call poison control center or doctor immediately for treatment advice. Have the product container or label with you when calling a poison control center doctor, or going for treatment.</b>	
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>▪ Call a poison control center or doctor immediately for treatment advice.</li> <li>▪ Have person sip a glass of water if able to swallow.</li> <li>▪ Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>▪ Wash immediately and continuously with flowing water for at least 30 minutes.</li> <li>▪ Remove contacts lenses, if present, after the first 5 minutes and continue washing.</li> <li>▪ Obtain prompt medical consultation, preferably from an ophthalmologist.</li> </ul>

<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>▪ Take off contaminated clothing.</li> <li>▪ Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>▪ Call a poison control center or a doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>▪ Move person to fresh air.</li> <li>▪ If person is not breathing, call 911 or an ambulance, and then give artificial respiration using pocket mask or face protection if via mouth-to-mouth, if possible.</li> <li>▪ Call a poison control center or a doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p>IN CASE OF AN EMERGENCY endangering life or property involving this product, call <b>(800)-231-3606</b></p>	
<b>NOTE TO PHYSICIAN</b>	
<p>Inhalation, ingestion or aspiration may cause lung or G-I tract damage. Probable mucosal damage may contraindicate the use of gastric lavage. Chemical eye burns may require extended irritation. No specific antidote, symptomatic treatment.</p>	

EPA Registration Number 10707-xx

EPA Establishment Number: xxxxx-xx-xx

**Manufactured by:**

**BAKER PETROLITE LLC**

12645 WEST AIRPORT BLVD.

SUGAR LAND, TX 77478

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

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Danger. Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals. Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Do not swallow. Wear goggles, protective clothing, and butyl or nitrile gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide 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.

#### **DIRECTIONS FOR USE**

**It is a violation of Federal Law to use this product in a manner inconsistent with the 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 1,250 to 62,500 ppm of this product to the system (1.13 to 55 gallons of this product per 1,000 gallons flood water). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 250 to 62,500 ppm of this product (0.25 to 55 gallons of this product per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

#### **FRAC FLUIDS**

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 1,250 to 62,500 ppm (11.25 – 553 gals 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 625 to 12,500 ppm of this product (2.5 to 46.3 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 625 to 12,500 ppm of this product by adding 2.5 to 46.3 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 625 to 7,500 ppm of this product (2.5 to 27.5 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 & GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS**

This product must be added to an oil production or transmission pipeline via direct injection. The application must be conducted to ensure maximum distribution of this product throughout the entire internal pipeline surface by adding 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 this 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 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 a concentration of 6,250 to 62,500 ppm of this product when diluted by the water present in the formation. Injection must take place before gas is injected (during the summer). Injections must 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 2,500 to 25,000 ppm of this product when diluted by the water present in the drip. Injections must be repeated yearly, or as needed to maintain control.

### **HYDROTESTING**

Water used to hydrotest pipelines or vessels must contain 1,250 to 50,000 ppm of this product (1.13 to 43.8 gallons of this product per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

### **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 amount of this product must be added to produce a concentration of 1.25 to 12.5% (1.13 to 11.25 gallons of this product per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

### **STORAGE AND HANDLING**

**STORAGE:** This product is incompatible with many commonly used materials or 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 25 °F (-4 °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). 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 cartridge) may be required

### **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 Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

*Text for non-refillable containers*

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple 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  $\frac{1}{4}$  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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

*Text for refillable containers*

**CONTAINER DISPOSAL:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**Net Contents:** Bulk, Drum, Tote, or as marked on label and/or container

Lot No.: as marked on label or container

Optional: DOT shipping classification info, NFPA symbol, statement to read SDS and warranty, instructions to affix DOT label(s), additional emergency telephone numbers.