



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

April 14, 2025

SENT BY EMAIL

Christina Swick
cswick@lewisharrison.com
BAKER PETROLITE, LLC

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - Minor Labeling
Revisions and Adding Alternate Brand Names
Product Name: X-CIDE 600 INDUSTRIAL MICROBIOCIDES
Admin Number: 10707-53
EPA Receipt Date: 02/14/2025
Action Case Number: 00645137

Dear Christina Swick:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

The alternate brand names: XC600, X-CIDE 600 have been added to the registration. Our records have been updated accordingly.

Should you wish to add/retain a reference to your 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 EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact Terria Northern via email at northern.terria@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Terria Northern". The script is elegant and cursive, with the first letters of each name being capitalized and prominent.

Terria Northern, RM Team 34

RMB 2, AD

Office of Pesticide Programs

10707-53 X-CIDE™ 600 INDUSTRIAL MICROBIOCIDES EPA Master Label 14-Feb-2025

X-CIDE™ 600 INDUSTRIAL MICROBIOCIDES

Alternate brand names: XC600
X-CIDE™ 600

X-CIDE™ 600 is a concentrated free-flowing crystalline solid Microbicide for use in controlling bacteria and algae found in industrial applications. Not for the control of algae in the State of California.

NOTIFICATION

10707-53

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

FOR USE IN INDUSTRIAL PROCESSES ONLY.
NOT FOR DOMESTIC USE.

ACTIVE INGREDIENT:

2-Bromo-2-nitrilopropane-1,3-diol.....04/14/2025.....98.45%

INERT INGREDIENTS:1.55%

TOTAL:100.0%

KEEP OUT OF REACH OF CHILDREN**DANGER / PELIGRO**

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID	
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.	
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have the person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center. • Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes then continue washing.
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.
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.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

EPA Reg. No. 10707-53

EPA Est. No.

Manufactured by:
BAKER PETROLITE LLC

12645 W. 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 or skin burns. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Avoid breathing dust. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Applicators and other handlers must wear: long-sleeve shirt and long pants, socks plus shoes, goggles or face shield, and chemical-resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. If pesticide gets inside clothing, remove clothing immediately, wash thoroughly, and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. 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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product may be used in terrestrial and off-shore oil drilling muds and packer fluids. All references to ppm are ppm-active ingredient.

WATERFLOOD

To inhibit growth of anaerobic and aerobic bacterial in all waterflood base fluids used in the recovery of oil and gas reservoirs, add this product as a dry product or pre-dissolve in any base fluid, or inject directly at the well head.

FREQUENCY AND DOSE: This product should be added continuously to waterflood fluids or slug-dosed depending on the bottom hole temperature and fluid chemistry at the rate of 25-100 ppm (0.009-0.036 lbs. per barrel) depending on the quality of the base fluid.

ENHANCED OIL RECOVERY (EOR)

For effective control of bacterial growth and eliminating degradation of EOR gels used in the oil and gas industry, add this product during mixing as a dry product or pre-dissolve or add by injection during the EOR procedure.

FREQUENCY AND DOSE: This product should be added throughout the EOR operation at the rate 50-100 ppm (0.018-0.036 lbs. per barrel) depending on the quality of the makeup water.

DRILLING FLUIDS AND WORKOVER AND COMPLETION FLUIDS

To inhibit the growth of cellulolytic, slime-forming or sulfate-reducing bacteria in oil and gas well drilling muds and brines. This product may be used as the solid or pre-dissolved in a quantity of warm water, then dosed directly into the mud or brine.

FREQUENCY AND DOSE: A single slug dose once to three times each 24 hrs. Dosing may be less frequent where contamination is low. Each slug dose should be 0.018 to 0.036 pounds per barrel (approximately 50 ppm – 100 ppm) total mud volume.

PRODUCED WATER

To inhibit the growth of slime-forming or corrosion-inducing sulfate-reducing bacteria in formation water produced by wells together with oil and gas. This product may be used as the solid or pre-dissolved in a quantity of warm water or alcohol, then injected into the water-containing oil and gas stream at any convenient point. It should be injected in slug doses, not as a continuous feed.

FREQUENCY AND DOSE: Depending on severity and rapidity of contamination. This product should be slug-dosed from once a week to once a month with 0.18-0.036 lbs. per barrel.

WELL-SQUEEZE FLUIDS

For the effective control of aerobic and anaerobic bacteria in squeeze fluids and downhole well bore areas, add this product during pre-mixing of the well squeeze fluid or (in the case of direct mix injection systems) an aqueous solution may be added by direct injection at the well head during the well squeeze procedure.

FREQUENCY AND DOSE: This product should be used for each well squeeze operation to ensure best results. Add this product at a rate of 0.21-1.58 lbs/1000 gallons (approximately 25 ppm-190 ppm) depending on the quality of the makeup water.

INJECTION FLUIDS

For the control of contamination and corrosion from bacterial sources in fluids/waste fluids that are disposed of through injection into an approved well following approved guidelines, add this product as a dry product or pre-dissolve in each volume of fluid prior to injection.

FREQUENCY AND DOSE: This product should be added at a rate of 50-100 ppm (0.018-0.036 lbs. per barrel) based on the water present of the injection fluid.

FRACTURING FLUIDS

This product reduces bacterial contamination and degradation of fracturing gels and fluids used as well stimulants in the oil and gas industry. This product may be added during pre-mixing of the fracturing fluid or (in the case of direct mix/injection systems) an aqueous solution may be added by direct injection at the head during the fracturing procedure.

FREQUENCY AND DOSE: This product should be used for each fracturing operation to ensure best results. This product should be added at a rate of 0.42-0.84lbs/per 1000 gallons (approximately 50 ppm-100 ppm) depending on the quality of the makeup water.

WATER BOTTOMS IN OIL STORAGE OR TRANSPORTATION TANKS

For effective control of bacterial contamination in water bottoms, in crude, and refined hydrocarbon storage systems. Above and below ground storage tanks and large marine systems are all suitable for treatment. X-CIDE™ 600 Industrial Microbiocide may be pre-dissolved in warm water to give up to a 20% concentrate.

This concentrate can be injected directly into the water bottom or may be sprayed over the surface of the hydrocarbon phase and allowed to percolate through. Using a carrier solvent for addition of X-CIDE™ 600 Industrial Microbiocide into the hydrocarbon phase will provide long-term water concentrations by a diffusion process.

FREQUENCY AND DOSE: direct addition to the water phase should be carried out every 30-60 days. Using a carrier solvent for addition to the hydrocarbon movement, draining of water bottom, and other factors. X-CIDE™ 600 Industrial Microbiocide should be dosed at a rate which will achieve concentrations of 50-100 ppm in the aqueous phase. When using a carrier solvent, higher initial concentrations may be used to allow diffusion into the aqueous phase.

PIPELINE MAINTENANCE

To control aerobic and anaerobic bacteria, particularly sulfate-reducing bacteria, growth in oil and gas related production piping and transportation systems, pr&-dissolve X-CIDE™ 600 Industrial Microbiocide in warm water or in a carrier solvent to give up to 20% concentrate. This concentrate can be injected directly into the pipeline or may be added to the hydrocarbon phase. Using carrier solvent addition of the X-CIDE™ 600 Industrial Microbiocide will produce long-term water phase concentrations by diffusion process.

FREQUENCY AND DOSE: Carrier additions will vary with the degree of contamination and volume of fluids through the pipeline. Slug treatments are recommended and can vary from daily to monthly to control growth. X-CIDE™ 600 Industrial Microbiocide should be dosed at a rate which will achieve concentrations of 25-200 ppm in the aqueous phase. When using a carrier solvent, higher concentrations may be used to allow diffusion into the aqueous phase. Dose will depend on the volume of oil or crude and the expected water fractions.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not contaminate water, food, or feed by storage or disposal. Store in a dry place. Do not store at elevated temperatures.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous and/or 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.

CONTAINER DISPOSAL: Metal and Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

Fiber Drum with Liners: Completely empty liner by shaking and tapping side and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. Do not reuse empty drum or liner.

Do not apply this product in a way that will contact workers or other persons.

Net Contents:

48 lbs. (48x 1lb. pouches)
 55 lbs. fiber drum
 25 lbs. fiber drum
 36 lbs. (6x 6lbs. jugs)
 30 lbs. (5x 6lbs. jugs)
 30 lbs. (6x 5lbs. jugs)
 25 lbs. (5x 5lbs. jugs)

Lot No.: {as depicted on the label or container}

Read Product Material Safety Data Sheet prior to use. PRODUCT WARRANTY, DISCLAIMER AND LIMITATION OF LIABILITY ARE FOUND THEREON. Use of Product signifies agreement with these provisions. 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

10707-53 X-CIDE™ 600 INDUSTRIAL MICROBIOCIDE EPA Master Label 14-Feb-2025

Optional non-FIFRA related statements depicted on the label stock

NFPA

Internal codes / sku

Company logo

Emergency numbers

Net and Gross Weight

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. (02/25)