

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER: CORROSIVE. CAUSES EYE DAMAGE AND SKIN DAMAGE. Avoid breathing dust. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. May be fatal if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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 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 its labeling.

All references to ppm are ppm-active ingredient.

WATERFLOOD

To inhibit growth of anaerobic and aerobic bacteria in all waterflood base fluids used in the recovery of oil and gas reservoirs, add **X-CIDE® 600** Industrial Microbiocide as a dry product or pre-dissolve in any base fluid or inject directly at the well head.

FREQUENCY AND DOSE: **X-CIDE® 600** Industrial Microbiocide 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 **X-CIDE® 600** Industrial Microbiocide during mixing as a dry product or pre-dissolve or add by injection during the EOR procedure.

FREQUENCY AND DOSE: **X-CIDE® 600** Industrial Microbiocide 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, **X-CIDE® 600** Industrial Microbiocide 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.

X-CIDE® 600

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

INDUSTRIAL MICROBIOCIDE

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

ACTIVE INGREDIENTS:
2-Bromo-2-nitropropane-1,3-diol.....98.45%
INERT INGREDIENTS:.....1.55%
TOTAL:.....100.00%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

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 person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the 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.
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 by mouth-to-mouth, if possible.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

EPA Registration Number.....10707-53
EPA Establishment No. 10707-TX-007, 10707-TX-008, 065387-AR-01

Product Re-packaged and Sold In One Pound Water Soluble Packets
DISTRIBUTED BY:
BAKER PETROLITE CORPORATION
12645 WEST AIRPORT BLVD.
SUGAR LAND, TX 77478
EMERGENCY CONTACT (24 HOURS PER DAY): 800-231-3606

DIRECTIONS FOR USE (CONT.)

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, **X-CIDE® 600** Industrial Microbiocide 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, **X-CIDE® 600** Industrial Microbiocide 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 **X-CIDE® 600** Industrial Microbiocide 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: **X-CIDE® 600** Industrial Microbiocide should be used for each well squeeze operation to ensure best results. Add **X-CIDE® 600** Industrial Microbiocide 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 **X-CIDE® 600** Industrial Microbiocide as a dry product or pre-dissolve in each volume of fluid prior to injection.
FREQUENCY AND DOSE: **X-CIDE® 600** Industrial Microbiocide 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

X-CIDE® 600 Industrial Microbiocide reduces bacterial contamination and degradation of fracturing gels and fluids used as well stimulants in the oil and gas industry. **X-CIDE® 600** Industrial Microbiocide 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: **X-CIDE® 600** Industrial Microbiocide should be used for each fracturing operation to ensure best results. **X-CIDE® 600** Industrial Microbiocide should be added at a rate of 0.42-0.84 lbs/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.

DIRECTIONS FOR USE (CONT.)

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, pre-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 fee by storage or disposal. Keep away from heat.

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

CONTAINER DISPOSAL: Metal Container or Plastic Containers: Triple rinse (or equivalent). 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. In addition, plastic containers may be disposed of by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Metal Containers:** Must not be incinerated. Do not cut or weld on or near metal containers.

NET WEIGHT: 48/1 lb Water Soluble Packages

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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.

Lea la hoja de Datos de Seguridad de Materiales del producto antes de usarlo. LA GARANTIA DEL PRODUCTO, EL DESCARGO Y LA LIMITACION DE RESPONSABILIDAD SE ENCUENTRAN EN DICHS DOCUMENTOS. El uso del producto significa acuerdo con estas disposiciones.

ACCEPTED
SEP 04 2002
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 10707-53

10707-53

9-4-2003

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