

10707-41

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

FEB 21 2013

Mr. George Katsigras
Senior Registration Specialist for,
Baker Huges
12645 West Airport Blvd.
Sugar Land, TX 77478

Subject: X-Cide 105 Industrial Bactericide
EPA Registration Number 10707-41
Your Amendment Dated October 23rd, 2012
EPA Received Date October 24th, 2012

The amendment referred to above, submitted in connection with under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act, FIFRA, as amended, to add additional use sites/applications as well as revise the "Storage and Handling" and "Storage and Disposal" sections, is acceptable.

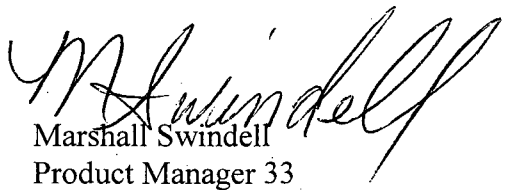
A stamped copy of the labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Submit and/or cite all data required for registration /reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

If you have questions concerning this letter, please contact Karen M. Leavy at (703)-308-6237.

Sincerely,

A handwritten signature in cursive script, appearing to read "M. Swindell".

Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division(7510P)

X-CIDE™ 105 Industrial Bactericide

A HIGHLY EFFECTIVE MICROBIOCIDIC 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; SUCH AS, STEAM-INJECTION WATER HOLDING 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.....	50.0%
INERT INGREDIENTS:.....	
	50.0%
TOTAL:.....	
	100.0%

KEEP OUT OF REACH OF CHILDREN

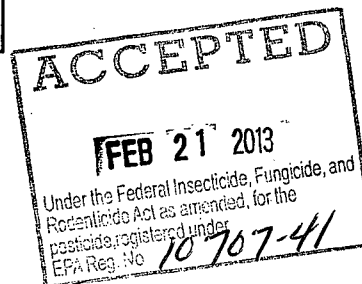
DANGER

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

FIRST AID	
<p>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.</p>	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contacts lenses, if present, after 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 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 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.
<p>NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.</p>	

EPA Registration Number 10707-41
EPA Establishment Number: xxxxx-xx-xx

Manufactured by:
BAKER PETROLITE CORPORATION
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 burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic

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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. This product 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 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 100 to 5,000 ppm this product to the system (0.09 to 4.4 gallons this product per 1,000 gallons flood water). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 20 to 5,000 ppm this product (0.02 to 4.4 gallons this product per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

FRAC FLUIDS [this use is not registered for 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 100 to 5000 ppm (0.9 – 44.3 gals per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

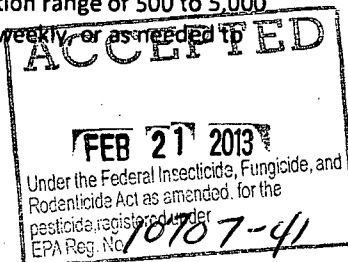
This product must be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank. Initial treatment: Add 50 to 1,000 ppm this product (0.2 to 3.7 gallons of this product per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Maintenance dosage: Maintain a concentration of 50 to 1,000 ppm this product by adding 0.2 to 3.7 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 50 to 600 ppm this product (0.2 to 2.2 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.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

This product must be added to a gas 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.



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GAS STORAGE WELLS AND SYSTEMS

Individual injection wells must be treated with a sufficient quantity of this product to produce a concentration of 500 to 5000 ppm 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 200 to 2000ppm 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 100 to 4,000 ppm this product (0.09 to 3.5 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 this product must be added to produce concentration of 0.1 to 1% (0.09 to 0.9 gallon of this product per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not contaminate water, food or feed by storage or disposal. Do not use, pour, spill or store near heat or open flame. 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. 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 -6F (-21C). 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 100F (37.8C) can be tolerated but the preferred maximum storage temperature is about 80F (26.7C).

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.

Text for non-refillable containers

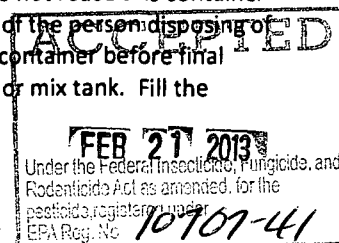
CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

For containers of 5 gallons or less. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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.

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 or as marked on label or container

Lot No.: as marked on label or container

Optional: DOT shipping classification info, NFPA symbol, statement to read SDS.

ACCEPTED
FEB 21 2013
Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 10707-41