

8133-29

08/14/2002

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**BACTRON K-78 MICROBIOCIDE**

FOR USE IN CONTROLLING SULFATE REDUCING BACTERIA IN OIL WELL DRILLING AND OIL FIELD PROCESSING, AND WATER FLOODING APPLICATIONS

Active Ingredient: Formaldehyde 54.0%  
 Inert Ingredients 46.0%

**TOTAL 100.0%**  
 (Contains Methanol)

**KEEP OUT OF REACH OF CHILDREN**

2 skull & x-bones located on either side of Danger

**DANGER** Danger & Poison in RED

**POISON**

**POTENTIAL CANCER HAZARD** based on animal data and limited epidemiological evidence. May cause allergic skin reaction, reproductive disorders, lung damage, liver damage, kidney damage, brain and nervous system damage.

**FIRST AID**

**IF INHALED:** Remove victim to fresh air. If not breathing, call 911 or an ambulance, then, give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**IF IN EYES:** Hold eyes open. Rinse slowly with water for 15-20 minutes. Remove contact lenses, if present after first 5 minutes, then, continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for at least 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** 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 a poison control center Do not give anything by mouth to an unconscious person. **Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

Net Weight (lbs) 485 Net contents (U.S. gals.) 55

**Champion Technologies, Inc.**  
 3355 W. Alabama Suite 400  
 Houston, Texas 77098

EPA EST. No. 08785-CA-001  
08785-NC-001  
08785-AL-001

EPA REG. No. 8133-29

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**ACCEPTED**  
 AUG 14 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 8133-29

**PRECAUTIONARY STATEMENTS****DANGER**

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**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Corrosive. Causes eye damage and skin irritation. Methanol may cause blindness. Harmful or fatal if swallowed. **DO NOT** get in eyes, on skin or on clothing. Avoid contamination of food. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Vapors harmful. Avoid breathing spray, mist or vapors. Wear a NIOSH/MSHA respirator approved for formaldehyde exposure, chemical resistant boots or shoe covers, chemical resistant gloves and goggles (if a full face respirator is not used) when handling.

Formaldehyde is a primary skin sensitizing agent which may cause allergic contact dermatitis. Inhalation studies in test animals have produced an excess of tumors. Users should consider the possibility that overexposure to the active ingredient may pose a cancer risk. Formaldehyde is considered an occupational carcinogen by OSHA and users should be aware of the occupational exposure standard PEL (Permissible Exposure Limit) of 0.75 ppm.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. **DO NOT** discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with requirements of a National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product into sewer systems without previously notifying local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of EPA.

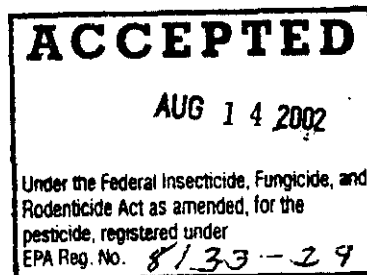
**PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flames.

**IN CASE OF FIRE:** Use CO<sub>2</sub> or dry chemical for small fires, alcohol type aqueous film forming foam or water spray for large fires. Use water spray to cool fire exposed containers. Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exists.

**IN CASE OF SPILL:** Clean up immediately. Place leaking containers in well ventilated area. Eliminate ignition sources. To clean up spills, flush area sparingly with water or use absorbent. Avoid run-off to storm sewers and ditches leading to natural waterways. Neutralize with ammonium hydroxide or sodium hydroxide.

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**DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

**ENHANCED OIL RECOVERY:** Inject **Bactron K-78** full strength to control bacteria in conjunction with the injection of miscible solvent, oil displacement fluids, including produced water or carbon dioxide. Dosage in this target area is 25 - 500 ppm of active ingredient in either continuous treatment or slug applications.

For repressuring depleted oil or gas zones, continuous injection of **Bactron K-78** at 25-100 ppm into fresh or salt water should be adequate. For preserving drilling fluids, work-over fluids or water based packer fluids, 100-500 ppm of **Bactron K-78** will be adequate.

For batch treating the annulus of producing oil wells, 1-5 gallons of **Bactron K-78** can be flushed down the annulus weekly with produced fluids.

For treatment of injection water, **Bactron K-78** full strength to attain concentrations of 200-500 ppm of active ingredient in target area on a continuous basis or in slug treatment.

**USE AS HYDROGEN SULFIDE SCAVENGER (NON-BIOCIDAL):** This product may also be used as a hydrogen sulfide scavenger in oilfield processing and refining operations. For hydrogen sulfide scavenging applications, inject **Bactron K-78** full strength to attain concentrations of up to 500 ppm of active ingredient in target areas on a continuous basis or in slug treatment.

**STORAGE AND DISPOSAL**

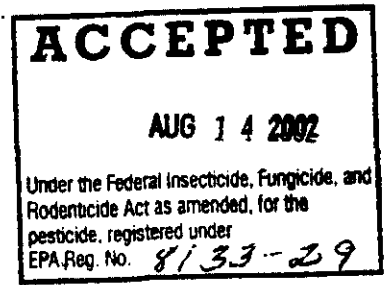
**STORAGE:** Prohibitions: **Do not** contaminate water, food or feed by storage or disposal. Should be stored apart from other combustibles, acids or oxidizing agents. Storage facilities should be non-combustible.

- Keep lights, fire and sparks away from container.
- Keep closure up to prevent leaking.
- Keep container closed.
- Keep out of sun and away from heat.
- Never use pressure to empty.
- Always handle in upright position.
- Never add other material to container.
- Make certain closure is securely closed before moving.
- Loosen closure carefully.
- Store in a cool place.
- Ground container before emptying.
- Never roll a container.

**PESTICIDE DISPOSAL:** **Do not** contaminate water, food or feed by 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 according to label instructions, contact your State Pesticide or Environmental Control Agency, or Hazard Waste representative at nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** (For metal containers) Completely empty drum, Triple rinse (or Equivalent) then, offer for recycling or reconditioning or puncture, and dispose of in a sanitary landfill or in accordance with Federal, State or Local regulations. (For 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, by burning. If burned, stay out of smoke.

**SPILL CLEAN UP REQUIREMENTS:** Should a spill occur, contaminated soil and other clean up debris is a hazardous waste. If a reportable quantity is exceeded, report spill/leak to the National Response Center (800-424-8802). Reportable quantity (RQ) for formaldehyde is 100 pounds.



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**PHYSICAL PROPERTIES**

Specific Gravity	1.06	Solubility in Water @ 20 C	Complete
Pounds per Gallon	8.83	Flash Point	108°F
Vapor Pressure	40 mm Hg	pH	5.5-6.2
Freezing Point	-48°F		

**CHEMICAL EMERGENCY CALL CHAMPION TECHNOLOGIES, INC. AT 713-431-2561 OR CHEMTREC AT  
1-800-424-9300  
BEFORE USING CONSULT MATERIAL SAFETY DATA SHEET**

To request a Material Safety Data Sheet, please call (713) 431-2561, or write: Champion Technologies, Inc. P.O. Box 450499, Houston, TX 77245-0499  
Champion Technologies, Inc. assumes no responsibility when this product is not used in accordance with instructions contained on this label.

HEALTH 3 FIRE 2 REACTIVITY 1 PERSONAL PROTECTION

Shipping Formaldehyde Solution, Flammable 3, UN1198, PGIII, RQ

**ACCEPTED**  
AUG 14 2002  
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