

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

59894-6

DATE OF ISSUANCE

SEP 16 1993

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

BACTRON K-83 MICROBIOCIDICIDE

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

M & S Research, Inc.  
11500 West Hill Drive  
Rockville, MD 20852

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 sec. 3(c)(7)(A) provided that you:

1. Submit/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; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 59894-6".
- b. Delete the number: 59894-4-8133. This is not your registration number.
- c. Delete the company: Champion Technologies. This is not the registrant for this product.
- d. Your company name: "M & S Research" must appear on this label only.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

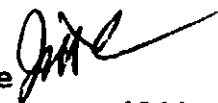
DATE

- e. Delete the descriptor: "Building and Industrial cooling towers" NOTE: No use directions were provided on the label.
- f. The correct nomenclature for the two quaternary compounds are:  
  
 Alkyl (60% C<sub>14</sub>, 30% C<sub>16</sub>, 5% C<sub>18</sub>, 5% C<sub>12</sub>) dimethyl benzyl ammonium chloride  
  
 Alkyl (68% C<sub>12</sub>, 32% C<sub>14</sub>,) dimethyl ethyl benzyl ammonium chloride  
  
 Revise accordingly.
- g. Include the heading: Net Contents.
- h. Revise the front Panel statement: Keep out of reach of children, to be at least 12 points.
- i. Add a referral statement to the front panel to read: See side panel for additional precautionary statements
- j. Include the subheading: "Pesticide Disposal" to the Storage Disposal section.
- k. Revise: "Harmful if swallowed" to read: Harmful or fatal if swallowed.
- l. Revise: "Causes irreversible eye damage. Cause burns" to read: Causes severe eye and skin damage.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

Sincerely,

John H. Lee   
 Product Manager (31)  
 Antimicrobial Program Branch  
 Registration Division (H7505C)

Enclosures

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

**PRECAUTIONARY STATEMENTS**

**DANGER**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**Keep Out of Reach of Children**

Corrosive. Causes irreversible eye damage. Causes burns. May cause skin sensitization. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles, protective clothing, and rubber gloves. Avoid breathing vapors. 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 apply in marine and/or estuarine oil fields. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**STORAGE AND HANDLING**

BACTRON K-83 solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum tin and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. To avoid freezing, locate the storage tank 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 can be tolerated but the preferred maximum storage temperature is about 57°F. A stainless steel centrifugal pump is suggested for transfer service. Asbestos is suitable for gaskets and packing.

**STORAGE AND 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 or your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Container Disposal: Metal containers should be triple rinsed (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or other procedures approved by state and local authorities.

**BACTRON K-83**  
**MICROBIOCIDES**

**WATER TREATMENT MICROBIOCIDES**  
**FOR BUILDING AND INDUSTRIAL COOLING**  
**TOWERS AND OIL FIELD WATER FLOODS OR**  
**SALT WATER DISPOSAL SYSTEMS**

Active Ingredients

Glutaraldehyde	35.0%
Alkyl* dimethyl benzyl ammonium chloride	3.3%
*alkyl (60% C14, 30% C16, 5% C18, 5% C12)	
Alkyl* dimethyl ethyl benzyl ammonium chloride	3.3%
*alkyl (68% C12, 32% C14)	

Inert Ingredients

	58.4%
<b>Total</b>	<b>100.0%</b>

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

**IF ON SKIN:** Wash with plenty of water. Get medical attention.

**IF SWALLOWED: DO NOT INDUCE VOMITING.** Give at least two glasses of water. Seek medical advice with urgency.

**IF INHALED:** Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.



3355 W. Alabama  
Houston, Texas 77098

EPA Establishment No. 8133-TX-01; 8133-TX-02  
8133-CA-01; 8133-LA-02  
EPA Registration No. 59894-4-8133  
440 lbs. Net Weight 55 U.S. gals Net Volume

ACCEPTED with COMMENTS in EPA Letter Dated: 59894-6 SEP 16 1993 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the Pesticide Registration Authority. No

It is a violation of... Inconsistent with...

BACTRON K-83 Mic... at a point of uniform water to the holding... Initial Treatment: W... 100-200 ppm K-83 (0.0... Repeat until control... Subsequent Dose: W... K-83 (0.18-0.09 gallo... as needed to maintai...

BACTRON K-83 M... system at a point of w... Initial Treatment: A... 100 barrels of fluid... the severity of constan... Maintenance Dose... to increased well dep... 0.19-3.8 gallons of K-8... depending on the sev...

**COMPLIANCE**

BACTRON K-83 Mic... workover fluid at a p... A .50-1000 ppm K-8... to freshly prepared fl... Circulate the workover... the system down and... fluid. The well should...

BACTRON K-83 Mic... point of uniform mix... ppm K-83 (0.19-2.3 p... prepared fluid depea... treated packer fluid in...

**BEFORE USING C...**

**HEALTH**  
**FIRE**  
**REACTIVITY**  
**PERSONAL PROT...**

**BES**