

PM 31 8133, 20

page

See MSDS for exposure limits of components.

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER

Keep Out of Reach of Children

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. May cause skin sensitization.

Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Do not swallow.

Wear goggles, protective clothing, and rubber gloves.

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 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.

PHYSICAL PROPERTIES

Specific Gravity at 20°C 1.064 Solubility in Water at 20°C Complete
Vapor Pressure at 20°C 16.4 mmHg Solubility of Water at 20°C Complete
Freezing Point -10°C pH at 25°C 3.1 to 4.5

STORAGE AND HANDLING

BACTRON K-31 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. This product freezes at about -10°C (14°F). 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 100°F can be tolerated but the preferred maximum storage temperature is about 80°F.

A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON is suitable for gaskets and packing.

STORAGE AND DISPOSAL

PESTICIDE 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 or Plastic Containers. Triple rinse (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. Do not cut or weld on or near metal containers.

Plastic Containers: May be incinerated, if allowed by state and local authorities. If burned, stay out of smoke.

Metal Containers: Must not be incinerated.

BACTRON K-31 ANTIMICROBIAL

MICROBIOCIDAL FOR USE IN CONTROLLING SULFATE-REDUCING BACTERIA IN OIL WELL DRILLING AND OIL FIELD PROCESSING APPLICATIONS.

Active Ingredient:
Glutaraldehyde 25%

Inert Ingredients 75%
100%

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 soap and water. Get medical attention.

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

IF SWALLOWED: DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical advice with urgency.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Sold By:



Champion
Technologies, Inc.

ACCEPTED
NOV 4 1993
Under the Federal Insecticide, Fungicide, and Rodenticide Act
8133-20

3355 W. Alabama Ste. 400
Houston, TX. 77098

Health.....	3
Fire.....	0
Reactivity.....	0
Personal Protection.....

EPA REG. NO.
EPA EST. NO:

08133-20
08133-TX-01
08133-CA-01
08133-LA-02

DOT/IMO Shipping: Corrosive Liquids, N.O.S.,
(contains glutaraldehyde), 8, UN 1760, PG II

BEST AVAILABLE COPY

Container Size: 55 gals. 5 gals.
Net Weight: 486 lbs. 44 lbs.

IN CASE OF EMERGENCY, CALL CHAMPION TECHNOLOGIES AT
713-431-2561 TEMENTREC AT 1-800-424-9300

DIRECTIONS FOR USE

General Classification

It is a violation of Federal Law to use this product in a manner inconsistent with its label.

Use BACTRON K-31 Microbiocide as directed. The free concentration of microbiocide needed depends on many factors. To obtain the maximum benefit from BACTRON K-31 MICROBIOCIDAL, follow this procedure:

Drilling Muds:

1. Calculate the total volume of the drilling mud system. Then calculate the number of gallons of microbiocide needed to achieve a concentration of approximately 2,000 ppm BACTRON K-31 MICROBIOCIDAL. For example, 85 gallons of microbiocide in 1,000 barrels of total volume will produce this dilution.
2. While the system is circulating, add the microbiocide.
3. As the depth increases (increase the total volume of additional microbiocide to maintain the proper concentration).

Workover Fluids:

1. Calculate the total volume of workover fluid system. Then calculate the number of gallons of microbiocide needed to achieve a concentration of approximately 2,000 ppm BACTRON K-31 MICROBIOCIDAL. For example, 85 gallons of microbiocide in 1,000 barrels of total volume will produce this dilution.
2. Add the microbiocide.
3. Circulate the workover fluid system until the fluid recovers.
4. Shut the system down and idle for several hours.
5. Remove the workover fluids. The well should be ready for production.

Oilwell Water Floods:

1. Calculate the total volume of the water flood system. Then calculate the number of gallons of microbiocide needed to achieve a concentration of approximately 150 ppm BACTRON K-31 MICROBIOCIDAL. For example, 6.3 gallons of microbiocide in 1,000 barrels of total volume will produce this dilution.
 2. Add the microbiocide as a slug or intermittently.
- The addition of 50 ppm BACTRON K-31 MICROBIOCIDAL is recommended to maintain bacterial control. This can be accomplished by adding 2 gallons of microbiocide to every 100 barrels of total volume.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that the product conforms to the chemical label, (b) that the product is reasonably fit for the purposes set forth in the label when it is used in accordance with such directions, and (c) that the directions and other statements on this label are based upon responsible experts' evaluation of effectiveness and of toxicity to laboratory animals. Tests have not been made in all states or under all conditions. THE MANUFACTURER NEITHER INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. This warranty does not constitute a contract. Buyer shall be solely responsible for, and shall bear all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings, or cautions.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S LIABILITY FOR ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT SUCH LIABILITY IS BASED IN CONTRACT, TORT, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED TO THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.