

FRONT PANEL - COLDCIDE-25

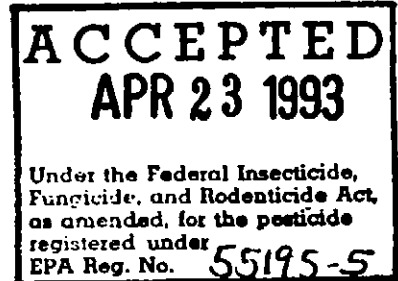
REVISED 03-30-1993

COLDCIDE-25

GLUTARALDEHYDE / MICROBIOCIDAL CONCENTRATE

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

ACTIVE INGREDIENT:	
GLUTARALDEHYDE	25.00%
INERT INGREDIENTS	75.00%
TOTAL	100.00%



KEEP OUT OF REACH OF CHILDREN  
DANGER  
STATEMENT OF PRACTICAL TREATMENT

In case of eye contact, flush with water immediately for at least 15 mins. Seek medical attention. If on skin, wash with water thoroughly. Seek medical attention. If swallowed, drink at least two glasses of water. do not induce vomiting. Call for medical help immediately. If inhaled, remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician. Wash contaminated clothing before reuse.

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

WASH THOROUGHLY AFTER HANDLING.

PHYSICAL PROPERTIES

Specific Gravity @20/20°C	1.016	Soluble in Water at 20°C	Complete
Vapor Pressure at 20°C	15mm Hg	pH at 25°C	3.0 to 4.5
Freezing Point	-21°C		

NET CONTENTS: 55 GALLONS

EPA REG. NO. 55195-5

EPA EST. NO. 8133-TX01-01

CHAMPION TECHNOLOGIES, INC.  
115 PROCTOR  
ODESSA, TEXAS 79762

COLDCIDE-25 - Trademark of  
COLCIDE INC.  
11500 WEST HILL DRIVE  
ROCKVILLE, MD 20852

MADE IN U.S.A.

2074

PRECAUTIONARY STATEMENTS

DANGER

Hazard to Humans and Domestic Animals  
Keep out of Reach of Children

**CORROSIVE.** Causes eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear safety glasses and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food. Avoid reuse of unwashed disinfectant soaked gloves. Avoid inhalation - use in ventilated area.

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

COLDCIDE-25 solutions are corrosive to many commonly used materials 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 -21°C (-6°F). Therefore, unless 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 preferred maximum storage temperature is about 80°F. A stainless steel centrifugal pump is suggested for transfer service. Asbestos is suitable for gaskets and packing.

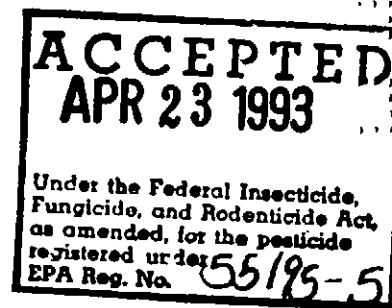
STORAGE AND DISPOSAL:

Do not contaminate water, food, or feed by storage or disposal.

Store in cool, well ventilated area. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, or rinsate is a violation of Federal Law. If these wastes can not be disposed of by use according to label instructions, contact your State Pesticide or your Environmental Control Agency, or Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container disposal: 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.

HEALTH	3
FIRE	0
REACTIVITY	0
PERSONAL PROTECTION	----



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DIRECTIONS FOR USE:

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

GENERAL CLASSIFICATION

To control algae, bacterial slimes, and sulfur reducing bacteria use ColdCide-25 Microbiocide as directed. Frequency of microbiocide addition depends on many factors. To optimize use of ColdCide-25 Microbiocide use the following:

RECIRCULATING COOLING TOWERS:

1. Initially use 20 to 400 ppm ColdCide-25 Microbiocide (0.02 to 0.40 gallons ColdCide-25 per 1000 gallons of water to be treated). Repeat the initial dose every seven days or increase the frequency, until control is achieved.
  2. When above treatment is successful, use 10 to 200 ppm ColdCide-25 Microbiocide (0.01 to 0.20 gallons per 1000 gallons of water to be treated) to maximize efficiency. Repeat weekly as needed.
- Cooling tower waters that are inherently low in algae growth and bacteria count may be adequately controlled by the lower range of these dosages. Slug feed every seven days.

ENHANCED OIL RECOVERY: Inject ColdCide-25 directly from drum to control bacteria following injection of miscible solvent, oil displacement chemicals or carbon dioxide. Dosage may be 25 to 5000 ppm. (Adjust metering flow rate to deliver 0.1 to 21.0 gallons ColdCide-25 to 100 barrels of diluent). The lower concentration for continuous treatment, the higher for periodic batch. For repressuring depleted oil or gas zones continuous injection of ColdCide-25 at 25 to 75 ppm (0.1 to 0.3 gallons ColdCide-25 per 100 barrels diluent) into fresh or salt water should be adequate.

WATER FLOODS: ColdCide-25 Microbiocide should be added to a water flood system at a point of uniform mixing such as the area of addition of make up water to the holding tank.

Initial Treatment: When the system is noticeably contaminated add 100 - 400 ppm ColdCide-25 Microbiocide (0.10 to 0.40 gallons ColdCide-25 per 1000 gallons flood water) weekly. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 20 to 200 ppm ColdCide-25 Microbiocide (0.02 to 0.20 gallons ColdCide-25 per 1000 gallons flood water) weekly, or as needed to maintain control.

DRILLING MUDS: ColdCide-25 Microbiocide should be added to a drilling fluid system at a point of uniform mixing such as a circulating tank.

Initial Treatment: Add 50 - 2000 ppm ColdCide-25 Microbiocide (0.2 to 8.4 gallons ColdCide-25 per 100 barrels of fluid) to a freshly prepared drilling fluid depending on severity of contamination.

Maintenance Dosage: As the total volume of the system increases due to increased well depths, maintain 50 - 2000 ppm ColdCide-25 Microbiocide level by adding 0.2 to 8.4 gallons of ColdCide-25 per 100 gallons of additional fluid, or as needed, depending on severity of contamination.

**ACCEPTED**  
**APR 23 1993**  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 55195-5

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RIGHT PANEL - COLDCIDE-25

REVISED 03-30-1993

**COMPLETION AND WORKOVER FLUIDS:** ColdCide-25 Microbiocide should be added to a completion and workover fluid at a point of uniform mixing such as circulating tank. Add 50 - 2000 ppm ColdCide-25 (0.2 to 8.4 gallons ColdCide-25 per 100 barrels of fluid) to freshly prepared fluid depending on severity of contamination. Circulate the workover fluid system until the fluid returns clean, shut the system down and idle for several hours. Remove all workover fluid. Well should be ready for productive use.

**PACKER FLUIDS:** ColdCide-25 Microbiocide should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 50 - 2000 ppm ColdCide-25 Microbiocide (0.2 to 8.4 gallons ColdCide-25 per 100 barrels of fluid) to a freshly prepared fluid depending on severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

IN A CHEMICAL EMERGENCY CALL CHEMTREC: 1-800-424-9300

BEFORE USING CONSULT MATERIAL SAFETY DATA SHEET

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