

**ACTIVE INGREDIENT(S)**

Potassium dimethyldithiocarbamate.....	33.3%
INERT INGREDIENTS.....	66.7%
TOTAL.....	100.0%

Directions for Use

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

PETROLEUM SECONDARY-RECOVERY WATERFLOODING OPERATIONS: D-33-1 is used to control sulfate-reducing bacteria in petroleum secondary-recovery waterflooding operations. In systems fouled with microbiological deposits, D-33-1 should be added as a slug dose to provide a concentration of 12 to 24 ppm (1.4 to 3.0 fl. oz. of D-33-1 per 1000 gallons of water treated). This should be followed by a continuous addition of D-33-1 employing a chemical metering pump to maintain a concentration of 12 ppm, based on the total weight of water treated. Both slug additions and continuous addition of D-33-1 should be made at the heater-treater dump, gathering lines, or receiving tanks. Additions should always be made upstream of the filter. D-33-1 is also used to inhibit the growth of fungi and bacteria in water-based drilling muds, completion fluids, packer fluids, and other water-based fluids containing starch, gums, sugars, or other organic materials. For these purposes, D-33-1 is added at rates of 4.1 to 6.89 gallons per 100 barrels of fluid (0.10 to 0.16% by volume).

INDUSTRIAL WATER PURIFICATION SYSTEMS: D-33-1 is used to control microbiological fouling in industrial water purification systems including reverse osmosis, filters, clarifiers, and ion exchange equipment. For off-line treatment, D-33-1 should be fed at a concentration of 6.4 to 16.0 fl. oz. per 1,000 gallons of water (60-150 ppm) for 4 to 8 hours. For on-line maintenance treatment, feeding 1.6 to 3.2 fl. oz. D-33-1 per 1,000 gallons of water (15-30 ppm) for 6 to 12 hours should be made once a week or as needed to maintain control. **Not intended for use in potable water systems.**

D-33-1

1448-337

**KEEP OUT OF REACH OF CHILDREN
DANGER**

FIRST AID	
If in Eyes	- Hold eyes open and rinse slowly and gently with water for 15-20 minutes. - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. - Call a poison control center or doctor for further treatment advice.
On skin, or on Clothes	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center for treatment advice.
If Ingested	- Call 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	- 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. - Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate gastric lavage.	

Precautionary Statements**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER: Corrosive. Causes eye and skin damage. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Avoid Contamination of food. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly after handling.

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.

ACCEPTED

MAY 08 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1448-337

5-8-2003

Storage and Disposal

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

PESTICIDE STORAGE: Do not expose to extreme temperatures. Do not stack more than four drums high. Leaking or damaged drums should be placed in overpack drums for disposal. Spill should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

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 or Environmental Control Agency, or the Hazardous Waste representative at your EPA Regional Office for guidance.

CONTAINER DISPOSAL:

PLASTIC: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

METAL: 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.

Buckman Laboratories, Inc.

1256 North McLean Blvd., Memphis, Tennessee 38108, USA
(901) 278-0330 or 1-800-BUCKMAN

EPA Est. No.	1448-TN-1	Net contents are marked on the container.
EPA Reg. No.	1448-337	
Product Weight	9.6 lbs./gal 1.15 kg/l	

HMS / NPCA Ratings			Last Revision			
Health	3	Flammability	1	Reactivity	1	3/25/2003