

CB-50 will control algae and bacterial slimes found in recirculating cooling tower waters, oil field water flood and crude oil pipelines and storage facilities

CB-50 helps clean and loosen slime debris from cooling and flooding system surfaces. When used in slug doses, no other microbiocide is required

CB-50 is economical to use because it is concentrated. It should be handled with care

Precautionary Statements

Hazards to Humans and domestic animals

DANGER:

Keep Out of Reach of Children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge treated effluent into lakes, streams, ponds, or public waters unless in accordance with a NPDES permit. For guidance contact your Regional Office of the Environmental Protection Agency

PHYSICAL HAZARDS

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME

STORAGE AND DISPOSAL

-DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL
-OPEN DUMPING IS PROHIBITED
-DO NOT REUSE EMPTY CONTAINER

PESTICIDE DISPOSAL

PESTICIDE THAT CANNOT BE USED, OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES

CONTAINER DISPOSAL

DISPOSE OF IN AN INCINERATOR OR LANDFILL APPROVED FOR PESTICIDE CONTAINERS. BURY IN A SAFE PLACE OR RETURN TO DRUM RECONDITIONER

GENERAL

CONSULT FEDERAL STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES

HARCROS MICROBICIDE LC50

Water Treatment Microbiocide
for the effective control of a broad
spectrum of microorganisms in building and
industrial recirculating cooling towers, oil field
flood or salt water disposal systems and
crude oil pipelines and storage facilities

Active Ingredient

1-Hydroxyethyl-1-benzyl-2-alkyl*
Imidazolinium chloride 50%

Inert Ingredients

50%

100%

*Alkyl as in fatty acids of coconut oil

KEEP OUT OF REACH OF CHILDREN

DANGER

Statement of Practical Treatment

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

SEE LEFT PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

EPA Registration No. 6836-62

EPA Establishment No. 6836-IL-1

Net Volume 55 gals.

HARCROS INC.
ONE STONE PLACE
BRONXVILLE, NY 10708

DIRECTIONS FOR USE GENERAL CLASSIFICATION

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

For controlling **A** - the fungi and a broad spectrum of bacteria and bacterial slime forming organisms that cause inefficient operation of building and industrial recirculating cooling towers, oil field water flood and crude oil pipeline and storage facilities, use **CB-50** as directed. For best results, slug feed. The frequency of addition of microbicide depends on many factors. To optimize your use of **CB-50**, follow this procedure:

Recirculating Cooling Towers

1. Initially use 7 fluid ounces per 1000 gallons of water to be treated (25 ppm active quaternary). Should the above dosage not give satisfactory results, use 13 fluid ounces per 1000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.
2. When the above treatment level is successful, use 3 to 4 fluid ounces per 1000 gallons of water to maximize efficiency. Repeat weekly as needed. Should slime develop again, go back to initial dosage.

Recirculating cooling tower waters that are inherently low in calcium growth and bacteria count may be adequately controlled by the low range of these dosages, slug feed every seven days.

Double the application amounts of **CB-50** for 2 gallons of water then add to the supply of the tower. Note this product weighs 7.2 lbs per gallon at 20°C.

Should it be heavily fouled, a pre-cleaning is required.

Oil Field Water Flood or Salt Water Disposal Systems

(Do not apply in Marine and Estuarine Oil Fields)

1. For the control of slime forming and sulfate reducing bacteria in oil field water flood and salt water disposal systems, add 35-50 ppm active **CB-50** (9-13 gallons per 3000 barrels of water) continuously. Levels for effective control will vary depending on conditions at the site.
2. For intermittent use, slug feed at rate of 35-50 ppm active **CB-50** (9-13 gallons per 3000 barrels of water) for 48 hours per day, one to four times a week as needed to maintain control.

Crude Oil Pipeline and Storage Facilities

1. For the control of sulfate reducing bacteria in recirculating oil field water flood and salt water disposal systems, add 35-50 ppm active **CB-50** (9-13 gallons per 3000 barrels of water) continuously. Add the appropriate dosage in slug form to treat the pipeline as required by the system.
2. For intermittent use, slug feed applications, add 95-13 gallons of **CB-50** per 3000 barrels of crude. **CB-50** is stable to the pipe for the life of the pipe.
3. For treatment of sludge in storage tanks, add 33 **CB-50** at the rate of 35-50 gallons per 3000 barrels of crude.

Add **CB-50** directly from the drum with the property of being a strong oxidizer. Do not mix with other chemicals. Do not use in the presence of strong oxidizers. Do not use in the presence of strong acids. Do not use in the presence of strong alkalis. Do not use in the presence of strong bases. Do not use in the presence of strong acids. Do not use in the presence of strong alkalis. Do not use in the presence of strong bases.

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (HH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE 10 MAR 1983
	TERM OF ISSUANCE	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input checked="" type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide and Rodenticide Act, as amended)</i>	NAME OF PESTICIDE PRODUCT	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
<p><input type="checkbox"/> _____</p> <p><input type="checkbox"/> _____</p>		
<p>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.</p> <p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an endorsement 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.</p>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

- e. For the label size submitted, the STORAGE AND DISPOSAL heading and the child hazard warning "KEEP OUT OF REACH OF CHILDREN" would require a 12 point type size minimum and the signal word DANGER (front panel only) would require an 18 point type size minimum.

3. Submit a revised application form (8570-1) declaring the following additional information:

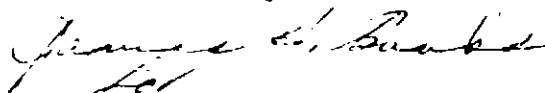
- a. Type of Container (Block #6)
- b. Child-Resistant Packaging? (Block #7)

4. Submit a revised Confidential Statement of Formula (8570-4) declaring also the container sizes (Block #4).

5. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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.



John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (48-7670)

Enclosures