

#541 will control algae and bacterial slimes found in recirculating cooling tower waters, oil field water flood and disposal systems.

#541 helps clean and loosen slime debris from cooling and flooding system surfaces. When use first 100 gal dose, no other microbiocides required.

#541 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. PURIFY IN A SAFE PLACE OR RETURN TO ORIGINAL SUPPLIER.

GENERAL

FOR MORE INFORMATION, CONTACT THE REGIONAL OFFICE OF THE ENVIRONMENTAL PROTECTION AGENCY.

#541

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

ACCEPTED
with COMMENTS

1-Hydroxyethyl-1-benzyl-2-alkyl-Imidazolium chloride 45705-7 50%

Inert Ingredients

45705-7 50%

100%

*Alkyl as in fatty acids of coconut oil

Registered under EPA Reg. No.

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.

45705-7

EPA Establishment No.

45705-7

Net Volume

16 gal's

Monsanto Associates, Inc.

St. Louis, Mo. 63103

DIRECTIONS FOR USE

GENERAL CLASSIFICATION

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

#541 will control algae and bacterial slimes found in recirculating cooling tower waters, oil field water flood and disposal systems, and crude oil pipelines and storage facilities.

Recirculating Cooling Towers

1. Apply 7 fluid ounces per 1000 gallons of water to be treated (2 ppm active quaternary).
Once the above dosage gives 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 is successful use 13 fluid ounces per 1000 gallons of water to maintain efficiency.
Repeat weekly as needed.
Should slime develop, go back to the initial dosage.

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

Use the above amount of #541 in 1 or 2 gallons of water to clean the sump of the tower. Note: This product weighs 7.75 lbs. per gallon at 20°C.

Oil Field Water Floor 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 floor disposal systems use 13 fluid ounces (1.3 gal) of #541 per 1000 gallons of water.
Repeat the initial dose every seven days for effective control.
If a slug feed is required, use 13 gal of #541 per 1000 gal of water.
2. For the control of sulfate reducing bacteria in oil field water floor disposal systems use 13 fluid ounces (1.3 gal) of #541 per 1000 gallons of water.
Repeat the initial dose every seven days for effective control.
If a slug feed is required, use 13 gal of #541 per 1000 gal of water.

Crude Oil Pipeline and Storage Facilities

1. For the control of bacterial growth in crude oil pipelines and storage facilities use 13 fluid ounces (1.3 gal) of #541 per 1000 gallons of water.
Repeat the initial dose every seven days for effective control.
If a slug feed is required, use 13 gal of #541 per 1000 gal of water.
2. For the control of bacterial growth in crude oil pipelines and storage facilities use 13 fluid ounces (1.3 gal) of #541 per 1000 gallons of water.
Repeat the initial dose every seven days for effective control.
If a slug feed is required, use 13 gal of #541 per 1000 gal of water.

BEST DOCUMENT AVAILABLE

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH 567) WASHINGTON, D.C. 20460 NOTICE OF PESTICIDE: ☐ FOR REGISTRATION ☐ FOR Reregistration <i>(Under the Federal Insecticide, Fungicide and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO.	DATE OF ISSUANCE
	TERM OF ISSUANCE	25 APR 1984
	NAME OF PESTICIDE PRODUCT	
NAME AND ADDRESS OF REGISTRANT (Include ZIP Code) BEST DOCUMENT AVAILABLE		
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.		
☐ ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL	DATE	

6. For the child care submitted, the "Foreign and Foreign-Related" and the "State-Owned" categories "Foreign" and "Foreign-Related" could be combined as "Foreign" by the "Foreign" and "Foreign-Related" categories. (Foreign and Foreign-Related) could be combined as "Foreign" and "Foreign-Related" categories.

4. Delete the spare air (from left hand):
- stored in a safe place
 - bury in a safe place

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FTIR sec. 6(c). Your release for shipment of the product constitutes acceptance of these conditions.

James H. Banks

John H. Lee
 Broadcast Date of (31)
 Ending of Month (2000)
 and 301400 115-000 (1-1670)

enclosure

$$1.079 \pm 0.014 \text{ (stat)} \pm 0.010 \text{ (syst)} \pm 0.009 \text{ (model)} \pm 0.007 \text{ (total)} \quad (1)$$

CONCURRENCES								
SYMBOL ▶								
SURNAME ▶								
DATE ▶								