

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS 767) WASHINGTON, DC 20460	EPA REGISTRATION NO. <b>464-619</b>	DATE OF ISSUANCE <b>20 OCT 1993</b>
	TERM OF ISSUANCE <b>Unconditional</b>	
	NAME OF PESTICIDE PRODUCT <b>Antimicrobial DTEA 15%</b>	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

The Dow Chemical Company  
 P.O. Box 1706  
 Midland, MI 48674-1706

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.

This product is registered in accordance with FIFRA sec. 3(c)(5).

1. Make the labeling changes listed below before you release the product for shipment:
  - a. Add the phrase "EPA Registration No. 464-619."
  - b. Revise the Environmental Hazards Statement to read: "This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, oceans, estuaries, or public waters unless this product is specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product to public sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA."
  - c. In the Statement of Practical Treatment, revise the sentence, "If swallowed, promptly ... water", to read: "If swallowed, promptly drink large quantities of water".

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE <b>20 OCT 1993</b>
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2. 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.

A stamped copy of the label is enclosed for your records.



Ruth G. Douglas  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (7504C)

Enclosures

3 7 5

LABEL DRAFT  
ANTIMICROBIAL DTEA 15%  
August 17, 1992  
Page 1 of 3

ACCEPTED  
with COMMENTS  
in LABEL DTEA dated:

OCT 20 1993

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

464-619

**ANTIMICROBIAL DTEA 15%**

**Controls bacterial, fungal, and algal slimes  
in recirculating cooling water systems**

**FOR INDUSTRIAL USE ONLY**

Active Ingredients:

2-(Decylthio)ethanamine, hydrochloride salt\* . . . . . 15%

Inert ingredients: . . . . . 85%

\*2-(Decylthio)ethanamine equivalent: 12.8%

E.P.A. Registration No. 464-  
E.P.A. Est. 464-MI-1

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

PRECAUTIONARY STATEMENTS

Hazards to Humans

**CAUSES IRREVERSIBLE EYE DAMAGE; CAUSES SKIN IRRITATION; HARMFUL  
OR FATAL IF SWALLOWED; HARMFUL IF ABSORBED THROUGH SKIN**

Do Not Get in Eyes, on Skin, or on Clothing. Wear Goggles or Face Shield,  
Protective Clothing, and Rubber Gloves When Handling. Wash Thoroughly With  
Soap and Water After Handling. Remove Contaminated Clothing and Wash Before  
Reuse.

**STATEMENTS OF PRACTICAL TREATMENT:**

In Case Of Eye Contact, Immediately flush eyes with plenty of water for at least 30  
minutes. Get medical attention.

In Case of Skin Contact, Wash with plenty of soap and water. Get medical attention.

If Swallowed, Promptly drink a large quantity of milk, egg whites, or gelatin  
solution; if these are not available, drink large quantities of water. Do not induce  
vomiting. Avoid alcohol. Get medical attention.

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

**BEST AVAILABLE COPY**

LABEL DRAFT  
ANTIMICROBIAL DTEA 15%  
August 17, 1992  
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4 27  
ACCEPTED  
WITH COMMENTS  
11/17/93

OCT 20 1993

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, this pesticide  
registered under EPA Reg. No.

464-619

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Apply this product only as specified on this label. Do not contaminate water when disposing of equipment washwaters. NOTE: Do not discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES permit. For guidance, contact your regional office of EPA.

IN CASE OF Emergency endangering life of property involving this product, call collect 517-636-4400

## STORAGE AND DISPOSAL

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

**Storage:** To maintain product quality, store at temperatures below 60°C. Keep container tightly 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 the nearest EPA Regional Office for guidance.

**Container Disposal:** Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

## DIRECTIONS FOR USE

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

## RECIRCULATING COOLING WATER SYSTEMS

ANTIMICROBIAL DTEA 15% controls bacterial, fungal, and algal slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow-through filters and lagoons, industrial water scrubbing systems, and brewery pasteurizers.

Add ANTIMICROBIAL DTEA 15% to any point of uniform mixing in the system being treated. Addition should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun and the retention time in the system.

Badly fouled systems must be cleaned before treatment is begun.

**BEST AVAILABLE COPY**

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LABEL DRAFT  
ANTIMICROBIAL DTEA 15%  
August 17, 1992  
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ACCEPTED  
WITH COMMENTS  
10/17/93

OCT 20 1993

### FOR CONTROL OF BACTERIA, FUNGI, AND ALGAE

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide is registered under EPA Reg. No.

ANTIMICROBIAL DTEA 15% is effective against bacteria, fungi, and algae, particularly in systems operating at pH 7.5 or higher. 464-619

#### INTERMITTENT OF SLUG METHOD

**Initial Treatment:** To clean fouled systems, add 6-41 fluid ounces of ANTIMICROBIAL DTEA 15% per 1,000 gallons of water in the system. Repeat this dosage as needed until fouling has been reduced to an acceptable level and microbial control has been attained.

**Maintenance Treatment:** After initial microbial control has been attained, or to prevent fouling of a clean system, add 0.5-25 fluid ounces of ANTIMICROBIAL DTEA 15% per 1,000 gallons of water in the system as needed to maintain control.

#### CONTINUOUS FEED METHOD

**Initial Treatment:** When the system is noticeably fouled, add ANTIMICROBIAL DTEA 15% at the rate of 6-41 fluid ounces per 1,000 gallons of water in the system.

**Maintenance Treatment:** After the desired level of control has been achieved, continuously feed ANTIMICROBIAL DTEA 15% at a dosage of 0.5-2.0 fluid ounces per 1,000 gallons of water in the system.

**BEST AVAILABLE COPY**

**Notice:** Seller warrants that the product conforms to its chemical description and is reasonable fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonable foreseeable to seller, and buyer assumes the risk of any such use.

#### NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

NET kg/ lb

The Dow Chemical Company  
Midland, MI 48674 U.S.A.