



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

**September 30, 2003**

Ms. Rhonda Vance-Moeser  
Senior Regulatory Specialist  
**Dow Chemical Company**  
1803 Building  
Midland, MI 48674

Subject: ***Antimicrobial DTEA 15%***  
EPA Registration No.464-619  
Application Dated August 27, 2003

Dear Ms. Vance-Moeser:

This following labeling, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with comments.

**Proposed Amendment**

- Update First Aid Statement per PR Notice 2001-1

**Label Comments**

1. The precautionary statement must be revised to read as follows:

**PRECAUTIONARY STATEMENT  
HAZARD TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

2. The precautionary statement must be grouped together and printed in the same type size.

**General Comment**

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6422, or Lisa McKelvin at (703) 308-7496.

Sincerely,



*for* Adam Heyward  
Product Manager (34)  
Regulatory Management Branch II  
Antimicrobials Division (7510C)

Enclosure

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Antimicrobial DTEA 15%  
FINAL DRAFT LABEL  
August, 2003

# ANTIMICROBIAL DTEA 15%

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

FOR INDUSTRIAL USE ONLY

**Active Ingredient:**

2-(Decylthio)ethanamine, hydrochloride salt* .....	.15%
Inert Ingredient(s): .....	85%
<b>Total</b>	<b>100%</b>

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

E.P.A. Registration No. 464-619  
E.P.A. Est. 464-MI-1

KEEP OUT OF REACH OF CHILDREN

## DANGER

### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

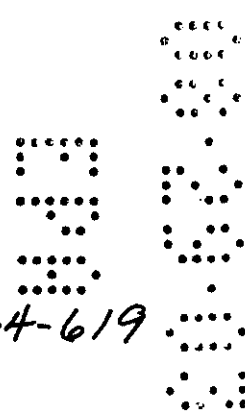
**CAUSES IREVERSIBLE EYE DAMAGE; CAUSES SKIN IRRITATION;  
HARMFUL OR FATAL IF SWALLOWED; HARMFUL IF ABSORBED THROUGH SKIN**

**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.**

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
SEP 30 2003**

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

464-619



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<b>FIRST AID</b>	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 30 minutes</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor for treatment advice</li> <li>• Promptly drink a large quantity of milk, egg whites, or gelatin solution; if these are not available, drink large quantities of water. Avoid alcohol.</li> <li>• Do not induce vomiting unless told to do so by poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p><b>IN CASE OF AN EMERGENCY</b> endangering life or property involving this product, call collect 989-636-4400. Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p>	
<b>NOTE TO PHYSICIAN</b>	
<p>Probable mucosal damage may contraindicate the use of gastric lavage</p>	

**ENVIRONMENTAL HAZARDS**

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.

**PESTICIDE 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 of 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.

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

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

#### INTERMITTENT OR SLUG METHOD

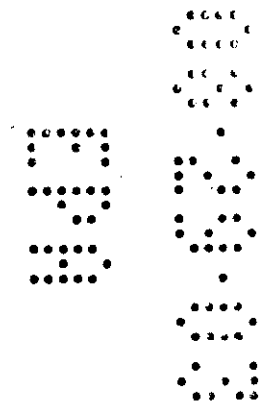
**Initial Treatment:** To clean fouled systems, add 6-41 fluid ounces of ANTIMICROBIAL DTEA 15% per 1,000 gallons of water in the system. Repeat this dosage as needed until fouling has been reduced to an acceptable level and microbial control has been attained.

**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.



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Antimicrobial DTEA 15%  
FINAL DRAFT LABEL  
August, 2003

**Notice:** Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label (except uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration) when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

**NOTICE**

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

NET WT:

**Dow Diamond**  
**THE DOW CHEMICAL COMPANY**  
**Midland, Michigan 48674**  
**1-800-258-CHEM**

**\*Trademark of THE DOW CHEMICAL COMPANY**

