

PM 31 56473-3

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460  <b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION  <i>(Under the Federal Insecticide, Fungicide,          and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. <b>56473-3</b>	DATE OF ISSUANCE <b>APR 05 1994</b>
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT <b>Amersperse 280</b>	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

**Drew Ameroid Marine Division**  
**Ashland Chemical Inc**  
**PO BOX 2219**  
**Columbus, OH 43216**

**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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:**

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment: (LABEL REVIEW ONLY)
  - a. Add the phrase "EPA Registration No. 56473-3".
  - b. Just a reminder to check the type size requirements for the statement "Keep Out of Reach of Children" (center panel only)
  - c. Delete the oil field reference in the Environmental Hazard section. This use pattern is not germane to the use patterns declared on the label.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

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d. In order to clearly indicate the site, add to the center panel also the following descriptor:

"on shipboard seawater heat exchangers".

NOTE: This site is currently buried in the middle of the left panel.

e. Add the following to the left panel precautionary statements:

"Wash thoroughly with soap and water after handling."

f. The following form of the ingredient statement complies with the Act.

ACTIVE INGREDIENTS

Name of the ingredient.....%  
Name of the ingredient.....%

INERT INGREDIENTS.....%

g. Revise the second active ingredient to read:

Disodium ethylenebis(dithiocarbamate)

This is the preferred nomenclature for the second active ingredient.

h. Delete the word: "Highly". (left panel)

3. Make the labeling changes listed below before you release the product for shipment: (PRODUCT DATA SHEET REVIEW ONLY)

a. Delete the word: "Highly".

b. Delete the word: "Concentrated".

c. The preferred nomenclature is microbiocide not biocide. Revise throughout the bulletin.

d. In order to clearly indicate the site, add to the top of page one, the following descriptor:

"on shipboard seawater heat exchangers".

NOTE: This site should be consistent with the label text.

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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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.

Sincerely,



Marshall Swindell  
Acting Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (H7505C)

Enclosures

)

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

EPA REG. NO. 56473-

# AMERSPERSE 280

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## SEAWATER COOLING TREATMENT FOR MARINE USE ONLY

### WARNING

Causes skin and eye irritation. Do not get in eyes, on skin, or on clothing. All industrial workers applying this product must wear coveralls over a long-sleeved shirt and long pants, shoes, socks and chemical resistant gloves. During dilution, a chemical resistant apron and goggles and face shield must also be worn. Harmful if swallowed. Avoid contamination of food and feedstuffs.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply (or use) to enhance oil fields where drilling fluids (muds) are discharged to the surface water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge treated effluent into lakes, streams, ponds or public waters unless in accordance with an NPDES permit. For guidance contact your Regional Office of the Environmental Protection Agency.

This product is a highly effective antifouling and bactericidal designed to control the growth of microorganisms (bacteria and fungi) and bivalve larvae on shipboard cooler heat exchangers.

#### STORAGE AND DISPOSAL

##### 1. PROHIBITIONS

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

##### 2. PESTICIDE DISPOSAL

Pesticide wastes are toxic. Proper disposal of excess pesticide, spray mixture, or residue in 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 nearest State representative of the nearest EPA Regional Office for guidance.

##### 3. CONTAINER DISPOSAL

(a) Rigid container and offer for reconditioning, or (b) Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or purchase and dispose of in a sanitary landfill, or by other approved state and local procedures.

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

##### 4. GENERAL

Consult federal, state or local authorities for approved alternative procedures.

ACTIVE INGREDIENTS: Sodium Dimethylthiocarbamate	15.0%
Nabam (Disodium Ethylene Bisdithiocarbamate)	15.0%
INERT INGREDIENTS:	70.0%
TOTAL	100.0%

DIRECT

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER NOT RECOMMENDED BY THE LABEL.

KEEP OUT OF REACH OF CHILDREN

### WARNING

#### 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 egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician immediately.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

To achieve best control of cooling treatment should be applied if fouling is present, it should be thoroughly cleaned prior to treatment.

For best results, treat the system for 100 minutes every 24 hours at the rate of 1.0 gallon per square foot of system flow rate. The frequency of treatment will depend on the degree of fouling representative.

AMERSPERSE 280 is completely soluble in water. The best point of application is before the water enters the system, preferably before the heat exchanger. The most common method is to add the AMERSPERSE 280 to the water entering the system.

AMERSPERSE 280 should not be used if seawater is being drawn as a cooling medium. Either AMERSPERSE 280 or AMERSPERSE 280 should be used 10-15 minutes afterwards.

#### SOLD BY:

Drew Ameroid Marine Division

Ashland Chemical, Inc.  
Subsidiary of Ashland Oil, Inc.  
One Drew Place, Beonton, New Jersey 07005



24-HOUR EMERGENCY TELEPHONE  
1-(800) 274-5263 or 1-800-ASHLAND

AMERSPERSE is the first logo and registered trademark of Ashland Chemical, Inc. used by Drew Chemical Industrial Division.

Net Contents: Liquid

See Markings on Top of Drum for Net Weight

AMERSPERSE 280 is a highly effective antifouling and bactericidal designed to control the growth of microorganisms (bacteria and fungi) and bivalve larvae on shipboard cooler heat exchangers.

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**BEST AVAILABLE COPY**

Under the Pesticide Insecticide, Fungicide, and Plant Growth Regulator Act, registered under EPA Reg. No. 56473-3

APR 05 1994

ACCOUNT with COC in EPA Learning Center



## Description

AMERSPERSE<sup>®</sup> 280 seawater cooling system treatment is a highly effective biocide of the organosulfur type which is used to keep the seawater cooling system free of marine fouling. When the system is free of fouling of the microbiological (bacteria and fungi) or the

macrobiological (barnacles and mussels) types, the ability to transfer heat is at the maximum. The use of AMERSPERSE 280 will reduce maintenance and operating costs by keeping the system clean and at design conditions.

## Features

- Highly effective antifoulant
- Utilizes simple low-cost equipment
- Concentrated liquid

## Application and Use

### • PRECLEANING

It is recommended that the cooling water system to be treated be cleaned prior to beginning an AMERSPERSE 280 fouling prevention program.

The reason for cleaning is that if the cooling system is already fouled, AMERSPERSE 280 will kill the marine growths present. The shells from these growths may then become dislodged and block the heat transfer cooling passages.

### • DOSAGE

Begin the AMERSPERSE 280 seawater cooling treatment program by treating the system with 10 ppm of AMERSPERSE 280 for 100 minutes every three (3) days in coastal waters and at least once mid-voyage on deep sea crossings, but at least every seven (7) days. To obtain the 10 ppm level, feed 1.5 liters of AMERSPERSE 280 over the 100 minutes for every 100 tons of water flow rate per hour.

ACCEPTED  
WITH COMMENTS  
in EPA Letter Dated:

APR 05 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
AMERSPERSE 280 is a biocide  
registered under EPA Reg. No.

56473-3

## Benefits

- Controls marine biological fouling
- Minimizes biological corrosion
- Maintains design heat transfer efficiency
- Reduces maintenance and downtime costs
- Does not require continuous application and monitoring
- No major capital investment in equipment
- No maintenance of sophisticated equipment
- Cost effective—easily applied

### • APPLICATION

AMERSPERSE 280 is a liquid which is completely soluble in seawater. An eductor feed system is recommended because of the ease of application and lack of crew handling. AMERSPERSE 280 also can be dosed by a gravity feed system which employs a diluted solution of the chemical. The best point for injection of the dilute solution of AMERSPERSE 280 is immediately after the external sea chest strainer. This provides total dispersion and mixing of the AMERSPERSE 280 with the seawater. The mixed solution thus will contact all parts of the seawater cooling system. AMERSPERSE 280 should not be fed to a system while seawater is being drawn as make-up for an evaporator or water maker. Either bypass the evaporator or shut it down while the AMERSPERSE 280 is being dosed. The equipment should not be returned to service for at least thirty (30) minutes afterwards which will assure complete removal of all traces of treatment from the system.

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### Typical Physical Properties:

**COMPOSITION:** A blend of sodium dimethyldithiocarbamate and Nabam (disodium ethylene bisdithiocarbamate) plus inert ingredients.

**ACTIVE INGREDIENTS:** 30.0% (minimum)

**APPEARANCE:** A clear yellow-green liquid

**ODOR:** Hydrogen sulfide odor

**FLASH POINT:** None

**pH:** 11.5 ± 1.0 (when drummed)

**SPECIFIC GRAVITY:** 1.15 ± 0.02 (at 25°C)

**WATER SOLUBILITY:** Complete in all proportions

**IMPORTANT INFORMATION:** Drew maintains Material Safety Data Sheets (MSDSs) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products.

We recommend that you obtain our material safety data sheet which should be read and understood by all supervisory personnel and employees before using this product in your facilities.

### Storage and Packaging

Avoid freezing or excessive heat.

Available in 25 liter pails and 60 liter drums.

ACCEPTED  
WITH COMMENTS  
In EPA Label Outline

APR 05 1994

The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) of 1972, as amended, requires that all pesticides registered under EPA Reg. No.

56473-3

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All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, express warranty or implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which seller assumes legal responsibility and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.



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