SEP 30 1992

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NOTICE OF PESTICIDE:

REGISTRATION
REREGISTRATION

(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

5297 RD Sigmaplane Ecol Antifouling 1154 Redbrown

NAME OF PESTICIDE PHODUCT

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

_

Sigma Coatings Division of Fina Oil and Chemical 3300 River Road Harvey, LA 70058

NCTE: 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/Reregiste:ed under the Federa! 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 cance) 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:
 - a. Add the phrase "EPA Registration No. 11350-32".
 - b. The submitted data indicates that the signal word is "DANGER" and not "WARNING". Change the front panel of the label, and the Technical Data Sheet accordingly.
 - c. Delete all references to "Tin Free" from the Technical Data Sheet.
 - d. Use your complete and correct product name throughout the text of the Technical Data Sheet.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

e. Revise the precautionary statement of the Technical Data Sheet to read as follows:

DANGER. Corrosive. Causes irreversible eye damage. Harmful if absorbed through skin. Due to corrosive nature, may be harmful or fatal if swallowed. Avoid contact with skin, eyes, and clothing. Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

3. 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.

Sincerely,

John H. Lee

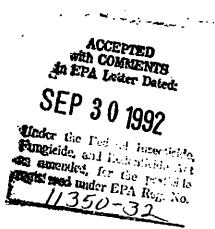
Product Manager (31)

Antimicrobial Program Branch Registration Division (H7505C)

Enclosures

CENTER PANEL

11111



5297 RD

SIGMAPLANE ECOL ANTIFOULING 1154 REDBROWN

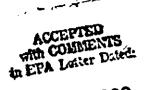
ACTIVE INGREDIENTS, CUPROUS OXIDE 43.2% .NERT INGREDIENTS 56.8% 100.0%

KEEP OUT OF REACH OF CHILDREN

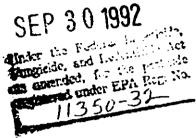
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FOR COMMERCIAL USE ONLY

SIGMA COATINGS 1401 DESTREHAN AVE. HARVEY, LA 70058 A DIVISION OF FINA OIL AND CHEMICAL COMPANY



LEFT SIDE PANEL



PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

DANGER

Corrosive. Causes irreversible eye damage. Harmful if absorbed through skin Due to corrosive nature, may be harmful or latal if swallowed. Avoid contact with skin, eyes and clothing. Wear goggles or lace shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

While spraying and/or sanding boat surface, wear a mask or a respirator jointly approved by The Mining Enforcement And Safety Administration and The National Institute For Occupational Safety And Health.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES; Flush with plenty of water. Call a physician.

IF SWALLOWED. Call a physician or Poison Control Center. Drink promptly a large quantity of water. Do not induce vomiting. Avoid alcohol.

HOTE TO PHYSICIAN Probable mucocal damage may contraindicate the use of gastric lavage. Contains petroleum distillates.

IF ON SKIN. Wash with plenty of soap and water. Get medical attention.

ENVIRONMENTAL HAZARDS

This material is toxic to fish. Do not apply directly to water by cleaning of equipment or disposal of wastes. Do not allow chips and dust generated during paint removal to enter water. Dispose of paint dobrts in an approved landfull

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE Keep away from heat and open flame

EPA EST. NO. 11350 - LA - 1 EPA REG. NO. 11350 - RIGHT SIDE PANEL

ACCEPTED with COMMENTS in EFA Letter Dated.

SEP 30 1992

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DIRECTIONS FOR USE

Refer to Sigma's Technical Data Sheet on 5297
Sigmaplane Ecol Antifouling 1154 RedBrown for complete directions before using.

GENERAL DIRECTIONS: For use on metal and fiberglass boat hulls to control barnacie growth in Iresh and salt water. Do not apply below 36 degrees F unless care is taken to insure absence of frost or ice. Surfaces to be painted shall be free of dirt, oil, grease and other surface contaminants. Apply in accordance with Sigma's directions or specifications given in the Technical Data Sheet for 5284. For Steel surfaces, apply only over recommended primers as recommended in the Technical Data Sheet. For Fiberglass surfaces, use only the primer recommended in the Technical Data Sheet.

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

FOR USE IN COMMERCIAL OR GOVERNMENT SHIPYARDS ONLY.

STORAGE AND DISPOSAL

<u>PROHIBITIONS</u>: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. 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 Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

<u>METAL CONTAINERS</u>: Triple rinse (or equivalent). Then offer for recycling or reconditioning or purature and dispose of in a sanitary landfill or by other Approved State and Local procedures.

NET CONTENTS: 5 U.S. GALLONS



SIGMA COATINGS

(SIGMA COATINGS, DIVISION OF FINA OIL & CHEMICAL; P.O. BOX 2159, DALLAS, TX. 75221)

TECHNICAL DATA SHEET

DESCRIPTION

PRINCIPAL CHARACTERISTICS

ACCEPTED with CONNENTS An EPA Letter batch

SEP 30 1992

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COLOR AND GLOSS

Sigmaplane Tim Free Antifouling is a high build, ablative antifouling with cuprous oxide as the active ingredient.

- -Controls common types of fouling for a period up to 30 months depending on sailing pattern, water temperature, and system applied.
- -Controlled ablation rate to give effective protection in accordance with the specified film thickness.
- -Compatible with a wide range of anticorrosive bottom systems.
- -Can be used where the use of organotin compounds is restricted.
- -EPA Registration # 11350-

Redbrown and Burgundy - Low Sheen

BASIC DATA AT 68°F (20°C)

Weight per gallon (U.S.) Solids content by volume Theoretical coverage @ 4 MDFT Recommended dry film thickness

Drying time (Dost Dry)

Min. interval refore overcoating Max. interval before overcoating Min. interval before launching Ordering information

Shelf life (cool & dry place)

pails.)

Flashpoint (T.C.C.)

16.2 pounds (1.94 kg/ltr)

53% ÷ 2%

212 ft $^{2}/gal$ (5.2 m $^{2}/ltr$)

2.5 - 6.0 mils (65 - 150 microns) per coat, depending on system. (See page 3)

1 hour

6 hours

6 months

8 hours

Available in 1 gal. and 5 gal. containers. Subject to reinspection after 12 months

(Batch numbers are embossed on lids of 1 gallons cans and stamped on sides of 5 gallon

75°F (24°C)

DIRECTIONS FOR USE

ARPAS OF USE

Sigma's # 5284 whould be used only over properly prepared and primed surfaces. As escribed under "SURFACE PREPARATION" in this Technical Data Sheet.

SIGMA COATINGS / P.O. Box 816 / Harvey, LA 70059 / (504) 347-4321

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SURFACE PREPARATION

L SURFACES: 5297 Sigma Tin Free Antifouling y be applied over properly prepared and primed steel surfaces. Bare steel surfaces should be blasted to a Near White Metal Blast as defined by SSPC-SP10 before application of one of the recommended Sigma primers. The primers recommended for use over the blasted steel areas are the following:

| | PRODUCT | RECOMMENDED | DRY FILM THICKNESS |
|----|--|---|--------------------------------------|
| 1. | # 7472 Sigma TCN-300 Brown # 7479 Sigma TCN Tiecoat | | 5 Mils 5 Mils |
| 2. | <pre># 7318 Sigmachlor Primer Lt. # 7318 Sigmachlor Primer Dk. # 7318 Sigmachlor Primer Lt.</pre> | in EPA Letter Deted: | 3 Mils 3 Mils 3 Mils |
| 3. | # 7415 Sigma EP Universal Primer # 7343 Sigmavinyl Primer Lt. # 7343 Sigmavinyl Primer Dk. # 7343 Sigmavinyl Primer Lt. | es accomied, for the content of the | 2 Mils 3 Mils 3 Mils 3 Mils |
| 4. | # 3252 Sta-Tuf Primer Green # 3251 Sta-Tuf Top Coat Haze Gre # 3200 Series Sta-Tuf Top Coat | еу | 4 Mils 4 Mils 3 Mils |

In all cases the last coat of the anticorrosive system must be allowed to dry 12 to 16 s before the application of # 5297 Antifouling. Maximum intervals which may be allowed before application of # 5297 Antifouling are as follows:

| # 7479 Sigma TCN Tiecoat | 48 Hours |
|------------------------------|----------|
| # 7318 Sigmachlor Primer Lt. | 3 Months |
| # 7343 Sigmavinyl Primer Lt. | 3 Months |
| # 3252 Sta-Tuf Primer | 24 Hours |

BERGLASS SURFACES: 5297 Sigma Tin Free Antifouling may be applied over properly repared and primed fiberglass surfaces. Previously painted fiberglass surfaces should a sanded to remove the existing coating and primed with Sigma's 7415 Sigma EP Universal Primer, followed by a coat of Sigma EP Tie Coat (7467) before application of # 5297 Antifouling. New fiberglass surfaces present a special problem because of Gel Coats and Mold Release agents which are used in forming the fiberglass. A thorough washing and scrubbing of all new fiberglass surfaces should be done using a solvent combination of xylene and methyl ethyl ketone before attempting to prime. After solvent washing, the new fiberglass surface should then be sanded to provide an anchor pattern before application of Sigma's # 7415 Sigma EP Universal Primer.

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ANTIFOULING SYSTEM

| Drydock Intervals | No. of Costs | DFT per Coat |
|------------------------------------|--------------|---|
| Up to 12 Months | 1 | 4.0 Mils (100 Microns) |
| Up to 18 Months Up to 24 Months | 2 | 3.0 Mils (75 Microns) 4.0 Mils (100 Microns) |

SIGMA COATINGS MAY BE CONTACTED FOR ALTERNATE OR ADDITIONAL PRIMER RECOMMENDATIONS.

APPLICATION SPECIFICATIONS

Sigma's # 5284 Antifouling may be applied by Airless or Conventional spray techniques. Before using power agitate to a uniform consistency using a "squirrel cage" type mixing blade. Equipment for spray application should be selected from the recommended list provided on this page. Additional details may be obtained by contacting Sigma Coatings.

onventional Spray

anufacturer:

Cun Model:

ip - Aircap Combination:

DeVilbiss MBC or JGA

Binks #18 or #62

704E

66PE

ACCEPTED with Countaints in EPA Letter Dated: Fluid hose should be 3/8" I.D. with a maximum length of 50 feet. Pot should always have dual regulation and be kept at same elevation as spray gun.

less Gun Model: Pump:

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Graco Binks DeVilbiss 205-591 Model 500 JGN-5ul Bulldog Mercury 5C OFA-519

Hose should be 3/8" I.D. minimum, but a 1/4" I.D. whip end section may be used for ease of application. A maximum length of 100 feet is suggested. Best results will be obtained using a .017" - .021" tip at 1700 - 2400 p.s.i.

NOTE: Nylon or Teflon type packings are available from pump manufacturer and are highly recommended. Reversible tips are suggested.

NOTE: Other equipment may be suitable. Contact the Sigma Technical Service Department for recommendations.

THINNING REQUIREMENTS

Recommended Thinner: # 21-06 Airless Spray: 0 - 5%

0 - 10% Conventional Spray: Roller & Brush (for touch up only)

21-06 Clean-up thinner:

SAFETY PRECAUTIONS

See Material Safety Data Sheet # 5297RD or # 5297BG.

<u>CAUTION:</u> Contains flammable solvents. Keep away from sparks and open flames. Use only grounded explosion proof equipment in accordance with the National Electrical Code. Workmen must use nonferrous tools, wear conductive, and nonsparking shoes in areas where explosion hazards exist. In confined areas workmen must wear fresh airline respirators, protective clothing, and gloves. Avoid contact with skin, breathing of vapor, or spray mist ingestion. Keep out of reach of children.

DO NOT USE THIS PRODUCT unless workmen have read and understood the Material Safety Data Sheet for this product.

WARRITING!

Causes eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Wear protective clothing such as gloves, long-sleeved cotton shirt, ong pants, and hat. May be fatal if swallowed or inhaled. Do not breathe dust, vapor, or spray mist. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

ACCEPTED with CONCLENTS in EPA Letter Dates.

SEP 3 0 1992

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