

PM 23

10250-52

3/20/98

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510W)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
10250-52

Date of Issuance:
MAR 20 1998

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance: Expires
June 30, 2000

Name of Pesticide Product:
Hempel's Antifouling
Combic 71990-19990

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Hempel Coatings (USA), Inc.
6901 Cavalcade
Houston, TX 77028

Note: Changes in labeling, 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 and/or cite all data required for registration of your product under FIFRA sec. 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 following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 10250-52".
- b. The use of the words "Tin Free" is not permitted on your product labeling. The use of this phrase is an implied safety claim.
- c. Please note and correct your EPA Establishment No.. Your number does not indicate the particular site number in the State of Texas. The correct format for the EPA Establishment No. is 10250-TX-01 or -02, etc.

Signature of Approving Official: *Marshall Swindell*
Marshall Swindell Product Manager Team
33/RMB1/Antimicrobial Division

Date:
MAR 20 1998

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d. Revise your Precautionary Statements to read:

Harmful if absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear protective clothing such as gloves, long-sleeved cotton shirt, long pants, and hat. Avoid breathing spray mist. While spraying paint or sanding or sand blasting boat surfaces, wear a mask or a respirator jointly approved by the Mining Safety & Health Administration and the National Institute of Occupational Safety and Health. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. May pose an aspiration pneumonia hazard.

e. Revise your Statement of Practical Treatment to read:

If Swallowed: Call a physician or Poison control Center. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.

If On Skin: Wash with plenty of soap and water. Get medical attention.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If In Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

3. Submit the following studies within 18 months (i.e., September 20, 1999) of the date stamped on this Notice of Conditional Registration:

Studies on the Irgarol Technical Grade Active

- GLN 72-4 Fish Early Life Stage (Estuarine Fish Study)
- GLN 72-4 Aquatic Invertebrate Life Cycle (Freshwater Invertebrate)
- GLN 73-1 Whole Sediment Acute, Freshwater Invertebrates
- GLN 73-2 Whole Sediment Acute, Marine Invertebrates

Data on Each of the Three Major Degradates* of Irgarol

(*GS-26575, CA-30-0155, and GS-28620)

- GLN 72-1 Acute Freshwater Fish LC50 (one specie), or
- GLN 72-3 (a) Acute LC50 Estuarine and Marine Fish, and
- GLN 72-2 Acute Freshwater Invertebrate LC50 (Daphnia), or
- GLN 72-3 (c) Acute LC50 Estuarine and Marine Invertebrate, and
- GLN 123-2 Aquatic Plant Growth (2 species: Navicula pelliculosa, and Skeletonema costatum)

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4. Submit the following "reserved" studies within 18 months of the date of the agency's written request for these data. The need for these reserved data will be based upon the results of one or more of the above studies as determined by the agency.

- GLN 164-2 Aquatic Field Study
- GLN 165-5 Accumulation Studies (nontarget organism)
- GLN 72-5 Fish Life Cycle
- GLN 72-6 Aquatic organism bioavailability/biomagnification/toxicity tests
- GLN 72-7 Simulated or actual field testing for aquatic organisms
- GLN 71-4 Avian Reproduction
- GLN 73-3 Acute Pore Water Studies (fish and invertebrates)
- GLN 74-1 Whole Sediment Chronic Study (invertebrates)
- GLN 123-1 Seedling Emergence-Dose Response Test
- Special Study: Monitoring of Representative U.S. Waters

5. This conditional registration will expire automatically on June 30, 2000. If you fail to satisfy the conditions imposed in the registration, EPA may issue a Notice To Cancel under Section 6(e) of FIFRA.

6. Please note that an Irgarol Release Rate Study must be generated for each alternate formulation you submit. The proposed formulations the agency has designated as Alt.#1, Alt.#2, Alt.#3, Alt.#4, Alt.#5, and Alt.#7 can not be approved for use at this time.

The release rate data for the red (basic) formulation was reviewed and found to be acceptable. The Irgarol release rate for the Combic Tin Free 71990-5110 Red formulation was determined to be 5.84 ug/cm²/day.

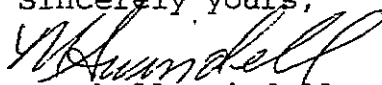
The release rate data for the alternate Combic Tin Free 71990-19990 Black formulation (MRID 440779410) was mistakenly overlooked and not reviewed as yet. However, you may market the black formulation while the agency reviews your data. If the data is determined to be unacceptable you must submit an acceptable study within 18 months (i.e., September 20, 1999) of the date stamped on this Notice of Conditional Registration.

7. Submit two (2) copies of the revised final printed labeling before you release the product for shipment.

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

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

Sincerely yours,



Marshall Swindell, PM 33
Regulatory Management Branch 1
Antimicrobial Division (7510W)

HEMPEL'S ANTIFOULING COMBIC

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71990-19990 BLACK

ACTIVE INGREDIENT	WEIGHT PERCENT
CUPROUS OXIDE	39.72
N-CYCLOPROPYL-N'-(1,1-DIMETHYLETHYL)-6-(METHYLTHIO)- 1,3,5-TRIAZINE-2,4-DIAMINE	2.51
INERT INGREDIENTS	57.77
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TOTAL METALLIC COPPER 35.96% BY WEIGHT CONTAINS PETROLEUM DISTILLATES	100.00

KEEP OUT OF REACH OF CHILDREN CAUTION

PRACTICAL TREATMENT

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solution or, if those are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

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

IF IN EYES: Flush with plenty of water. Get medical attention immediately.

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

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

* * * * SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS * * * *

FOR USE IN COMMERCIAL OR NAVY SHIPYARDS ONLY. NOT FOR SALE TO
USE OR STORAGE BY PRIVATE APPLICATORS OR MARINA PERSONNEL.

MADE IN U. S. A AND SOLD BY

HEMPEL COATINGS (USA), INC.
6901 Cavalcade, Houston, TX 77028

ESTABLISHMENT NO. 10250 TX

EPA REGISTRATION NO. -----

NET CONTENTS: 5 U. S. GALLONS

ACCEPTED
with COMMENTS
in EPA Letter Dated
MAR 20 1998

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

10250-52

HEMPEL'S ANTIFOULING 71990 is an advanced antifouling paint containing cuprous oxide and an organic bioactive material for prevention of sessile marine fouling organisms. Recommended for underwater surfaces of steel vessels operated in all coastal and oceanic waters where tin paints are not suitable.

DIRECTIONS FOR USE

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

APPLICATION INSTRUCTIONS: Stir thoroughly and apply to a clean dry surface with a temperature above the dew point. Apply over HEMPATEX 4633 or according to specifications. Film thickness and number of coats depend upon hull condition, trading pattern, and extended service life. Allow at least 10 hours dry time between coats of ANTIFOULING 71990 at 20C/68F. Drying time is proportionally longer at lower temperatures. If thinning is required for brush, roller, conventional spray or airless application, use HEMPEL'S THINNER No. 8808. Equipment should be promptly cleaned with THINNER 8808 after use. The ship may be floated when final coat of paint is dry for 12 hours. Prolonged exposure to the atmosphere may affect the properties of HEMPEL'S ANTIFOULING 71990.

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STORAGE AND DISPOSAL

PROHIBITIONS

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 using label instructions contact your State pesticide or environmental control agency, or hazardous waste representative at the nearest EPA regional office.

CONTAINER DISPOSAL

Triple rinse (or equivalent) then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other approved State and Local procedures.

GENERAL

Consult Federal, State, or Local disposal authorities for approved alternative procedures