

10250-55

8-20-2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

AUG 20 2003

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. Algimantas Pliodzinskas,  
Health, Safety, & Environmental Coordinators for,  
Hempel Coatings (USA), Inc.  
600 Conroe Park North Drive  
Conroe, TX 77303

Mail to: David Sarvadi  
Agent for Hempel's Coatings  
Keller and Heckman LLP  
1001 G Street, N. W.  
Suite 500 West  
Washington, D.C. 20001

Subject: Hempel's Antifouling Globic 81952 Light Red  
EPA Registration Number 10250-55  
Your Submission Dated May 29<sup>th</sup>, 2003  
EPA Received Date June 3<sup>rd</sup>, 2003

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, to change the primary brand and alternate brand name(s), to delete two inerts and add four new inerts to the currently registered formulation, to change the registered source of the active ingredient, cuprous oxide, and to add a new color formulation (brown), is acceptable on a time limited basis under the following conditions.

This amendment will expire on **June 1<sup>st</sup>, 2004**. In addition, during 2.5 year period that this amendment is effective, it will subject to the conditions listed below:

This time limited approval is conditionally granted providing:

By **November 30<sup>th</sup>, 2003**, an Inhalation Monitoring Study must be submitted to the Agency for our review.

By **October 31<sup>st</sup>, 2003**, submit the following studies:

GLN 72-4 Aquatic Invertebrate Life Cycle (Freshwater Invertebrate)  
GLN 73-1 Whole Sediment Acute, Freshwater Invertebrate (include the fate of the parent compound vs metabolites particularly in aquatic sediment)  
Special Leaching Study: Release Rate Study on the Sea-Nine 211 active ingredient for each of your five alternate paint formulations.

By **June 1<sup>st</sup>, 2003**, submit the following studies:

- GLN 72-4 Fish Early Life stage (Rainbow Trout)
- GLN 165-5 Accumulation Studies(Oysters)
- GLN 122-1 \*Tier I seedling emergence and
- GLN 122-1 \*Tier I vegetative vigor or,
- GLN 123-1 \* Tier II seedling emergence, and
- GLN 123-1 \*Tier II vegetative vigor

\* For antifoulants use rice (*Oryza sativa*). In Tier I tests(for pesticides with unknown phytotoxic potential), only the maximum label dosage is used. If the maximum label dosage is not known or if the pesticide is a known phytotoxicant, testing would begin at Tier II. Testing at the Tier II level requires use of a minimum of 5 dosages (dose response testing) in order to establish the EC25, or 25% effect level and the NOAEC (no adverse effect level) or an EC05. TEP testing is required.

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 142-2 Tier III Field Study
- GLN 71-4 Avian Reproduction
- GLN 72-6 Aquatic organism bioavailability/biomaganification/toxicity tests
- GLN 72-5 Fish Life Cycle
- GLN 72-7 Simulated or actual field testing for aquatic organisms
- GLN 73-3 Acute Pore Water Studies (Fish and Invertebrates)
- GLN 74-1 Whole Sediment Chronic Sudy(invertebrates)
- Special Study: Monitoring of Representative U.S. Waters

The following study was submitted but determined to be unacceptable:

GLN 162-1 Aerobic Soil Metabolism

In order to submit an acceptable study, you must submit use two soil types different from each other and different from the soil types used in the previous study (MRID # 44791101).

The registration file has been changed to reflect the following:

Old Name: Hempel’s Antifouling Globic SP-ECO 81952-50300 Light Red

New Name: Hempel’s Antifouling Globic 81950 (Red-51110)

The following is a listing of all the alternate brand names for this product:

- Hempel’s Globic SP-ECO 81952 Light Red 50300
- Hempel’s Globic SP-ECO 81952 Red 51110
- Hempel’s Globic SP-ECO 81952 Blue 30240
- Hempel’s Globic SP-ECO 81952 Black 19990

Hempel's Antifouling Globic 81950 (Brown-60600)  
Hempel's Antifouling Globic 81950 (Black-19990)  
Hempel's Antifouling Globic 81950 (Blue-30240)

Hempel's Antifouling Globic 81953 (Red-51110)  
Hempel's Antifouling Globic 81953 (Brown-60600)  
Hempel's Antifouling Globic 81953 (Black-19990)  
Hempel's Antifouling Globic 81953 (Blue-30240)

The Agency does not stamp nor review additional brand name labeling.

Please note: Labeling and Confidential Statements of Formula should bear the new product name as mentioned above.

However, the new alternate color formulation, Hempel's Antifouling Globic 81950 (Brown-60600), must be supported by submitting a release rate study for each new formulation OR submit a formal data waiver which clearly outlines the company's justification for granting the data waiver in lieu of generating the data being requested.

This conditional registration will expire on **June 1<sup>st</sup>, 2004**. If you fail to satisfy the conditions imposed in this registration, EPA may issue a Notice of Intent to Cancel under Section 6(e) of FIFRA.

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

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,



Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division

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81950 Center Panel

**GLOBIC**

**81950**

**5110 Red**

DOT  
Markings &  
labels

IMO Anti-fouling System  
Convention compliant  
(AFS/CONF/26)

**ACTIVE INGREDIENTS**

Cuprous Oxide	37.00 %
4,5-dichloro-2-n-octyl-3(2H)-isothiazolone	1.86 %
<b>INERT INGREDIENTS</b>	<b>61.14 %</b>
<b>TOTAL</b>	<b>100.00 %</b>
<b>TOTAL METALLIC COPPER</b>	<b>33.40 % By Weight</b>

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

AUG 20 2003

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

10250-55

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**FIRST AID**

>>> IF SWALLOWED: > Call a poison control center or doctor immediately for treatment advice. > DO NOT induce vomiting unless told to do so by a poison control center or doctor. > Do not give any liquid to the person. > Do not give anything by mouth to an unconscious person.

>>>-> IF IN EYES: > Hold eye open and rinse slowly and gently with water for 15-20 minutes. > Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. > Call a poison control center or doctor for treatment advice.

>>> IF ON SKIN or CLOTHING: > Take off contaminated clothing. > Rinse skin immediately with plenty of water for 15-20 minutes. . Call a poison control center or doctor for treatment advice.

>>>-> IF INHALED: > Move person to fresh air. > If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. > Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

>>>>>>>>> > NOTE TO PHYSICIAN: Probably mucosal damage may contraindicate gastric lavage.

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

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

MADE IN USA - Sold by: HEMPEL COATINGS (USA) INC. Conroe, Texas 77303  
EPA Est. No. 10250-TX-1 EPA Reg. No.: 10250-??

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81950 – Right Panel

HEMPEL'S ANTIFOULING GLOBIC 81950 is an advanced antifouling paint containing cuprous oxide and an organic bioactive material for the prevention of barnacles, algae, coral, and other marine fouling organisms. Recommended for the underwater surfaces of steel, fiberglass and wood vessels operated in all navigatable waters where tin containing paints are not suitable. May be applied to aluminum hulled vessels painted with proper barrier coating.

>> DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

>>APPLICATION INSTRUCTIONS:

For application by brush, roller, or airless spray equipment.

This product is to be used on the underwater surfaces of steel, fiberglass and wood vessels operated in all navigable waters. Antifouling paint is to be applied to newly built vessels and in the repair and maintenance of such vessels as needed. Stir thoroughly and apply to a clean dry surface with a temperature above the dew point. Apply over previous coating (examples: primer, sealer, antifouling paint) or according to the written painting specifications developed for the particular vessel. Film thickness (measured by a film thickness gauge) and the number of coats required to be applied depend upon vessel hull conditions, trading pattern, and designed extensions of painted surface service life. Allow at least 10 hours dry time between coats of this product 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 08080. Equipment should be promptly cleaned with THINNER 08080 after use. The ship may be floated when final coat is dry for 12 hours. Prolonged exposure to the atmosphere may effect the properties of this product.

>>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 authorities for approved alternative procedures.

Meets MACT for Shipbuilding / Repair under NESHAP regulations of the Clean Air Act Amendments of 1990. VOHAP / VOC content (grams/liter): < 400 VOHAP / VOC content (grams / liter solids): < 765

ACCEPTED  
WITH COMMENTS  
in EPA Letter Dated:  
AUG 20 2003

Reserved  
DOT  
Shipping  
Description

Net	Volume value	Gallons	Lot Number / No de lot / Numero de lote:	Lot number
			Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No.	

10250-55

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81950 Left Panel

**HEMPEL'S**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS  
DANGER !**

**ANTIFOULING**

Corrosive. Causes irreversible eye damage and may cause severe skin irritation. Product may be fatal if swallowed. Harmful if inhaled or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes. Avoid contact with skin. Where skin and eye contact may occur, wear eye protection, such as goggles or face shield, rubber gloves, full body coverings such as coveralls and hat, and other protective clothing such as long sleeved shirt, long pants, and head covering to prevent skin contact. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and discard; do not reuse. Avoid breathing vapor, mist, dust, or chips from sanding dried paint film. Use adequate ventilation. While spraying paint or sanding boat surface, wear a supplied-air or powered air purifying respirator (PAPR) approved by the National Institute for Occupational Safety and Health (NIOSH) for use with paints and coatings.

Wear a Tyvek hooded coverall or the exact equivalent, coverall beneath the Tyvek hooded coveralls, impervious gloves and impervious footwear that protects the lower leg. Remove contaminated clothing and discard after use, do not reuse.. Wash thoroughly with soap and water after handling and before eating or smoking.

**ENVIRONMENTAL HAZARDS**

This material is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. 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 debris in an approved landfill. Wear protective clothing and supplied air respirator in accordance with Precautionary Statements above when handling, painting or removing this paint.

**PHYSICAL CHEMICAL HAZARDS: FLAMMABLE**

Keep container closed. Use with adequate ventilation. Store in a cool dry place away from heat, sunlight and open flame. Close container tightly after use. Do not use near heat or open flame.

**WARRANTY**

This labeling must be in the possession of the user at the time of pesticide application. While all HEMPEL products are developed and manufactured with the utmost care, we offer these products with the express understanding that the user will determine the suitability for his intended use and assume all risk and liability in connection therewith. If the product is used other than directed hereon we expressly disclaim any responsibility for its use, handling, storage, result obtained, injury or indirect or consequential damages of any nature whatsoever caused. **THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE FOR THIS PRODUCT.** Hempel's only obligation shall be to replace such quantity of product found to be defective.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

AUG 20 2003

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

10250-55