

748-11

12/15/2008

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Antimicrobials Division (7510C)  
 1200 Pennsylvania Avenue NW  
 Washington, D.C. 20460

EPA Reg. Number:  
 748-11

Date of Issuance:  
**DEC 15 2008**

Term of Issuance: Time Limited; expires on midnight on 12/11/10

Name of Pesticide Product:  
 ECOSTERN

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

PPG Industries, Inc.  
 4325 Rosanna Drive  
 Allison Park, PA 15101

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 Section 3(c)(7)(A) provided that you:

1. Submit and/or cite all the data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit required by registration review under FIFRA Section 3(g).
2. The following submitted data must be found to be acceptable:

Signature of Approving Official:

*Marshall Swindell*  
 Marshall Swindell, Product Manager, Team 33  
 Regulatory Management Branch I, Antimicrobials Division

Date:

**DEC 15 2008**

- 73-1 Whole sediment acute freshwater invertebrates**
- 73-2 Whole sediment acute marine invertebrate**
- 850.5400 Marine diatom Skeletonema costatum**
- 850.4225 Seedling emergence in rice**
- 850.5400 Vegetative vigor dose response in rice**
- 875.1100 Dermal exposure-outdoor**
- 875.1300 Inhalation exposure-outdoor**

3. Submit the following "reserved" studies within 12 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 72-5 Fish Life Cycle
- 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)
- Special Study: Monitoring of Representative U.S. water
- GLN 162-1 Aerobic Soil Metabolism
- GLN 162-2 Anaerobic Soil Metabolism
- GLN 164-2 Aquatic Field Study
- GLN 165-5 Accumulation Study (Nontarget Organism)
- GLN (Not assigned) Monitoring of Representative U.S. Water

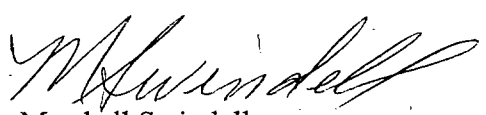
3. Submit three copies of the final printed label prior to releasing this product for sale.

The Confidential Statement of Formula dated November 24<sup>th</sup>, 2008, is acceptable.

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

This conditional registration will expire automatically on 12/11/10. If you fail to satisfy the condition imposed in this registration, EPA may issue a Notice of Intent to Cancel under Section 6(e) of FIFRA. Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely,



Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division(7509P)

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[Optional language in brackets and italics]

**EcoStern**

[Alternate Brand Names: EcoStern [color + VOC], EcoStern Black 3.3, EcoStern Gray 3.3, EcoStern Black 3.6, EcoStern Gray 3.6, Eco Shield, Mercury Precision Care (Brand), Quicksilver Marine EcoStern, Quicksilver Marine Parts & Accessories (Brand), Quicksilver, Mercury Marine, MerCruiser, Mercury Racing, Cummins MerCruiser, or SeaCore]

- Antifouling Paint with Zinc Omadine for Propulsion Units
- For use on Commercial and Recreational Vessels
- May be used in fresh or salt water
- [Additional marketing bullets on last pages]

**ACCEPTED**  
with **COMMENTS**  
in **EPA Letter Dated:**  
**DEC 15 2008**

<b>Active Ingredient:</b>	
Zinc Omadine .....	4.8%
<b>Other Ingredients*:</b> .....	95.2%
<b>Total:</b>	100.0%
*Contains Petroleum Distillates	

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

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**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**  
See Side/Back Panel for First Aid and Additional Precautionary Statements

[First Aid Statement may be in paragraph format if label space is a problem.]

**FIRST AID**

Contact 1-412-434-4515 [or other appropriate phone #] or your poison control center for 24-hour emergency medical treatment information. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**If inhaled:**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further 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 in eyes:**

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

**If swallowed:**

- Call poison control center or doctor immediately for treatment advice.
- Do not give any liquid to the person.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**Note to Physician**

- Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Reg# 748-xxx

EPA Est# 748-WI-1, EPA Est# xxxxx-xx-x  
[See lot number for actual establishment]

Net Contents: **1 Gallon (3.79 L)** [or other sizes as appropriate]

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

**CORROSIVE:** Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin. May be fatal if inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wash thoroughly after handling with soap and water, and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse. When mixing and loading, or cleaning equipment, wear a chemical resistant apron.

**Residential PPE:** Residential (non-commercial) users are advised to wear chemical resistant gloves, protective eyewear (goggles, safety glasses or face shield), long-sleeved shirt and long pants, socks, and shoes. While removing existing paint by sanding or blasting, or applying new paint by brush or roller, it is advised to wear a respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH) approval number TC-14G), or a NIOSH approved full face respirator with an organic vapor removing cartridge with a P-100 prefilter.

**Commercial PPE:** Users must wear a disposable coverall with hood, chemical resistant gloves, protective eyewear (goggles, safety glasses or face shield), long-sleeved shirt and long pants, socks, and chemical resistant footwear. While removing existing paint by sanding or blasting, or applying new paint, user must wear a respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH) approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number TC-140), or a NIOSH approved full face respirator with an organic vapor removing cartridge with a P-100 prefilter.

**ENVIRONMENTAL HAZARDS**

This pesticide 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 respirator in accordance with the Precautionary Statements above when handling, painting or removing this paint.

**PHYSICAL OR CHEMICAL HAZARDS**

**Combustible** Do not use or store near heat or open flame.

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Under the Pesticide, Fungicide,  
Fumigant and Insecticide Act as  
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## DIRECTIONS FOR USE

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

May be used in fresh or salt water, use on the propulsion units is recommended. This paint is intended for use on commercial and recreational vessels.

Use only with adequate ventilation during mixing, application, and drying. Use absorbent clean up material if spilled. For fires, blanket flames with foam, CO<sub>2</sub>, or dry chemical. Wear NIOSH/MSHA certified breathing equipment.

**Directions for mixing:** Mix contents of container. Stir until thoroughly mixed before using. Use mixture immediately.

**Preparation of Surface:** The surface to be painted should be dry, clean and oil free. It should be properly prepared by solvent cleaning and/or sanding before any primers or paints are applied. Follow the recommended systems below. Bare metal surfaces should be primed prior to application. When sanding old antifouling paint, use a face mask to prevent inhalation of sanding dust. Thinning is not recommended.

**Application and Temperature:** Product can be applied by spray, brush or roller. The work should be done under good drying conditions in the temperature range of 50°F to 90°F. One to three coats are recommended for best antifouling protection.

**For application by residential (non-commercial) users:** Do not apply by airless sprayer. Do not apply more than one coat of the product within 24 hours. Apply only in outdoor, non-enclosed spaces.

**Drying Times:** Let the first coat dry for four hours at 70°F before applying next coat. After application of the third coat allow at least 15 hours drying time at 70°F before launching. Under adverse drying conditions allow paint to dry overnight to be sure that all of the solvent has evaporated. See extended directions or technical data sheets for additional details.

## STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage, disposal, or cleaning of equipment.

**Storage:** Do not store near heat source or open flames. Containers are hazardous when empty. Emptied containers retain product residue (vapors and/or liquid). Residual vapors may explode or ignite. Do not cut, drill, grind, or weld on or near this container.

**Pesticide Disposal:** Pesticide wastes may be hazardous. Improper disposal of excess pesticide 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:** If empty, do not reuse this container. Place in trash or offer for recycling if available. If partly filled, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Manufactured by  
PPG INDUSTRIES, INC.  
One PPG Place, Pittsburgh, PA 15272  
Emergency Telephone Number: 1-412-434-4515  
US Patents: #5,916,947 #6,063,849  
[Company web sites may be listed]

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Fungicide, and Rodenticide Act as  
amended, and the pesticide  
registered under EPA Reg. No.  
ESL000000 REV112408

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[Additional Optional Directions for Use]**Overview:**

EcoStern is an antifouling coating designed for use on propulsion units. EcoStern is copper-free and will not promote galvanic corrosion on metal surfaces. EcoStern is compatible over most existing antifouling paint systems. EcoStern prevents bio-fouling using a patented technology and includes the Zinc Ormadine® organic biocide that does not persist in the environment. EcoStern is safer for you, your boat's propulsion unit, and our environment.

**Recommended Uses:** For marine and fresh water immersion; for use on commercial and recreational vessels with average operating speeds of 0-30 knots; safe for all rigid substrates, including aluminum.

**Climate:**

For best results, apply EcoStern during favorable climate conditions at temperatures above 55°F. Do not apply if the substrate and ambient air temperature are below 40°F, when substrate is wet from rain or dew, when surfaces are less than 5°F (3°C) above the dew point or when relative humidity is greater than 85%.

**Surface Preparation:**

Adhesion of any coating depends on proper surface preparation. Substrate shall be free of oil, dust, dirt, grease, and salt/chloride contamination before abrading. Cleanliness is the most important step to achieve a coating system that will perform and last. After abrading the surface, remove dust and debris.

Compatible Existing Painted Surfaces:

EcoStern is compatible over most existing antifouling paints and epoxy primers that are in good condition and intact. EcoStern is not compatible over non-stick release coatings, soft abrasives, or flaking paint. Thoroughly abrade paint with 80 grit paper to achieve a roughened surface. Visit [www.\[company website\].com](http://www.[company website].com) FAQ page for a detailed compatibility chart or contact an EcoStern representative.

Fiberglass:

De-wax surface if necessary and thoroughly abrade gel-coat with 80 grit paper to create a roughened surface profile. Although not required, it is strongly recommended to first apply one coat of Amercoat 240 [product name] epoxy primer.

Aluminum and Steel Surfaces:

Abrasive blast or mechanically abrade with 80 grit aluminum oxide paper to achieve a 1.5 – 2.5 mil (38-63 micron) anchor profile and immediately apply a full coat of Amercoat 240 [product name] epoxy primer

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 748-11

**Mixing:**

Power-shake EcoStern before applying. If power shaker is not available, mix thoroughly until a homogenous blend results.

**Thinning:**

Not generally required. If necessary for viscosity reduction, to slow solvent evaporation when applying at warm temperatures, or to obtain a smoother finish use EcoStern [product name] thinner. Do not thin EcoStern more than 20% by volume or beyond your state's compliant limit. Considerations: thinning dilutes active materials and reduces DFT; if thinning, allow for additional dry time between coats and apply an extra coat of EcoStern at the waterline.

**Application:**

EcoStern may be applied by traditional painting techniques. For roller application, use a high quality short nap roller, such as a 3/8" or 1/4". For brush application use a high quality bristle brush. Spray application will provide the smoothest possible finish.

Over Amercoat 240 Epoxy Primer: Apply a thin coat of EcoStern at 1-3 wet mils over the primer according to primer directions. Allow system to dry overnight before applying consecutive coats.

**Film Thickness:**

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EcoStern should be applied at 5-7 wet mils to obtain 3-4 dry mils per coat unless otherwise instructed (i.e. first coat of EcoStern [product name] over primer). The use of a wet film thickness gauge is recommended.

**Number of Coats:**

Apply one to three coats.

**Dry Time:**

A coat of EcoStern applied at 5-7 wet mils is ready for recoat at 4 hours at 70°F (21°C). Consecutive coats should be applied within 7 days to avoid extra surface preparation. Minimum dry-to-launch time is 16 hours at 70°F (21°C). Dry times lengthen at lower temperatures and shorten at higher temperatures. Coating should be fully cured before placing into service.

**Repairs:**

For small bare areas, such as under blocks, thoroughly abrade with 80 grit paper to roughen surface, feather out painted surfaces two inches around bare area, and remove dust. Prime and paint prepared areas following product instructions.

**Cleanup:**

Immediately cleanup spray equipment and brushes with EcoStern [product name] thinner, xylene or MEK. Dispose of any unused materials according to Federal, state and local laws.

**Maintenance:**

Although maintenance scrubbing is normally not required it is recommended to have the boat checked occasionally, more so for boats that sit idle for extended periods of time, to make sure it is clean and that no growth is occurring. If growth is detected, lightly scrub with a soft brush to remove any fouling.

**Considerations:**

- Service life is directly proportional to resulting dry film thickness.
- No antifouling paint can be effective under all conditions of exposure. Pollution and natural occurrences can adversely affect antifouling paint.

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Under the Federal Insecticide,  
Fungicide, and Herbicide Act as  
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registered under EPA Reg. No.

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[1-Optional warranty statements – Company and product names may be changed]

**EcoStern Warranty Benefits for Mercury Marine product owners:**

Mercury Marine/Quicksilver Marine EcoStern is the only antifoul paint that is factory approved for Mercury Marine propulsion units. EcoStern is a 100% Copper-FREE product that preserves the “Limited Warranty Against Corrosion” given to select new Mercury Marine products. Mercury Marine/Quicksilver Marine EcoStern uses an “aluminum compatible” formula that will not accelerate galvanic corrosion on aluminum. Mercury Marine has performed independent tests with competitive copper-based paints that show an increase in the spread of galvanic corrosion on aluminum substrates by up to 500%. The use of a competitive copper-based antifouling paint will void the “Limited Warranty Against Corrosion” given to select new Mercury Marine products.

[2-Optional disclaimer statement – Company and product names may be changed]

**DISCLAIMER:** The performance of any marine paint or coating depends on many factors outside the control of the manufacturer including surface preparation, proper application, and environmental conditions. Therefore, the manufacturer cannot guarantee this product’s suitability for you particular purpose or application. **IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND OF MERCHANTABILITY ARE EXCLUDED. THE MANUFACTURER SHALL NOT UNDER ANY CIRCUMSTANCES, BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.** By purchase or use of this product, buyer agrees that the sole and exclusive remedy, if any, is limited to refund of the purchase price, or replacement of the product at manufacturer’s option.

[3-Optional warranty statement – Company and product names may be changed]

**Mercury Precision and Quicksilver Parts and Accessories Limited Warranty**

**WHAT IS COVERED**

Mercury Marine warrants each new or factory rebuilt Mercury Precision and Quicksilver Parts and Accessories sold by a Mercury Marine authorized dealer or distributor to be free from defects in material and workmanship during the period described below.

**DURATION OF COVERAGE**

This Limited Warranty provides coverage for **(6 months / 9 months / (1) year)** and is guaranteed to reduce biofouling as compared to non-antifouling painted surfaces, from either the date on which the product is first sold to a retail customer by a Mercury Marine authorized dealer or distributor, or the date on which the product is first put into service, whichever occurs first. This limited warranty is contingent upon using the proper application guidelines set forth in the “Directions for Use”. Parts and Accessories installed on Mercury Racing products that had product warranty duration of less than one (1) year, carry Limited Warranty coverage for a period of time equal to that, and not greater than the duration of the limited warranty originally provided with the parent product. The repair or replacement of parts, or the performance of service under this warranty, does not extend the life of this warranty beyond its original expiration date. Unexpired warranty coverage can be transferred to a subsequent purchaser upon proper re-registration of the product.

**CONDITIONS THAT MUST BE MET IN ORDER TO OBTAIN WARRANTY COVERAGE**

Warranty coverage is available only to retail customers that purchase from a Dealer authorized by Mercury Marine to distribute the product in the country in which the sale occurred. Routine maintenance outlined in the Operation and Maintenance Manual must be timely performed in order to maintain warranty coverage. Mercury Marine reserves the right to make warranty coverage contingent upon proof of proper maintenance.

**WHAT MERCURY WILL DO**

Mercury’s sole and exclusive obligation under this warranty is limited to, at our option, repairing a defective part, replacing such part or parts with new or Mercury Marine certified re-manufactured parts, or refunding the purchase price of the Mercury product. Mercury reserves the right to improve or modify products from time to time without assuming an obligation to modify products previously manufactured.

**HOW TO OBTAIN WARRANTY COVERAGE**

The customer must provide Mercury with a reasonable opportunity to repair, and reasonable access to the product for warranty service. Warranty claims shall be made by delivering the product for inspection to a Mercury dealer authorized to service the product. If purchaser cannot deliver the product to such a dealer, written notice must be given to Mercury. We will then arrange for the inspection and any covered

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Letter Dated:  
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repair. Purchaser in that case shall pay for all related transportation charges and/or travel time. If the service provided is not covered by this warranty, purchaser shall pay for all related labor and material, and any other expenses associated with that service. Purchaser shall not, unless requested by Mercury, ship the product or parts of the product directly to Mercury. The original purchase receipt establishes the warranty period and must be presented to the dealer at the time warranty service is requested in order to obtain coverage.

**WHAT IS NOT COVERED**

This limited warranty does not cover routine maintenance items, tune ups, adjustments, normal wear and tear, damage caused by abuse, abnormal use, double lab finished propellers, use of a propeller or gear ratio that does not allow the engine to run in its recommended wide-open-throttle RPM range (see the Operation and Maintenance Manual), operation of the product in a manner inconsistent with the recommended operation/duty cycle section of the Operation and Maintenance Manual, exceeding the horsepower limitations for the product as listed in the Mercury Precision/Mercury Racing Accessory Guide, neglect, accident, submersion, improper installation (proper installation specifications and techniques are set forth in the installation instructions for the product), improper service, use of an accessory or part not manufactured or sold by us, jet pump impellers and liners, operation with fuels, oils or lubricants which are not suitable for use with the product (see the Operation and Maintenance Manual), alteration or removal of parts, water entering the engine through the fuel intake, air intake or exhaust system, or damage to the product from insufficient cooling water caused by blockage of the cooling system by a foreign body, running the engine out of water, mounting the engine too high on the transom, or running the boat with the engine trimmed out too far. Use of the product for racing or other competitive activity, or operating with a racing type lower unit, at any point, even by a prior owner of the product voids the warranty.

Mercury Precision and Quicksilver Parts and Accessories that are used for any purpose for which they are not intended (outside anticipated marine applications) are excluded from coverage under this warranty statement.

Expenses related to haul-out, launch, towing, storage, telephone, rental, inconvenience, slip fees, insurance coverage, loan payments, loss of time, loss of income, or any other type of incidental or consequential damages are not covered by this warranty. Also, expenses associated with the removal and/or replacement of boat partitions or material caused by boat design for access to the product are not covered by this warranty.

No individual or entity, including Mercury Marine authorized dealers, has been given authority by Mercury Marine to make any affirmation, representation or warranty regarding the product, other than those contained in this limited warranty, and if made, shall not be enforceable against Mercury Marine.

For additional information regarding events and circumstances covered by this warranty, and those that are not, see the Warranty Coverage section of the Operation and Maintenance Manual, incorporated by reference into this warranty.

**DISCLAIMERS AND LIMITATIONS**  
**THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. TO THE EXTENT THAT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY. SOME STATES/COUNTRIES DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS AND EXCLUSIONS IDENTIFIED ABOVE, AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH VARY FROM STATE TO STATE AND COUNTRY TO COUNTRY.**

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**with CONDITIONS**  
**in EPA Letter Dated:**  
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[Optional marketing bullet points – Company and product names may be changed as appropriate]

1. Engineered for compatibility with multiple substrates including aluminum, fiberglass, stainless steel, plastics, and decals.
2. Aluminum Compatible – will not accelerate galvanic corrosion
3. 100% Copper FREE – does not accelerate galvanic corrosion
4. Antifouling paint for marine propulsion drive systems and props.
5. Antifouling paint for Sterndrives, Inboard running gear, outboards, pod drives, and other immersed propulsion equipment.
6. EcoStern can be used for immersed accessory equipment such as trim tabs.
7. EcoStern's adhesion to stainless steel and plastic is enhanced when using a booster/etching primer such as PPG DPX171/172.
8. Unique copper free formula is designed to inhibit the accumulation of common soft and hard aquatic species while maintaining galvanic corrosion protection of the drive
9. EcoStern is effective in Saltwater, Freshwater, and Brackish waters
10. Reduces biofouling from a variety of common soft and hard aquatic species
11. Deters attachment phase of aquatic/marine plant and animal species
12. Reduces vegetation Biofouling including (but not limited to), slime, algae, bacteria growth and sea grass
13. Reduces animal Biofouling including (but not limited to) barnacles, mollusks, molluscs, zebra mussels, shells, crustaceans and sea squirts.
14. Antifouling paint suitable for all marine propulsion units that are immersed, including outboards, sterndrives, inboards, and pod drives.
15. EcoStern offers enhanced antifouling performance and does not accelerate galvanic corrosion as compared to competitive copper based paints.
16. Mercury Marine approved: Copper and Tin (T.B.T.) FREE antifouling paint.
17. Factory recommended. EcoStern, the only Mercury Marine approved Copper and Tin free antifouling paint.
18. Environmentally non-persistent Biocide (unlike copper and tin)
19. Eco-friendly biocide
20. Eco-friendly, antifouling paint
21. EcoStern reduces marine biofouling while maintaining speed, efficiency, and handling characteristics of your vessel.
22. Think "Green" with Mercury Marine / Quicksilver Marine EcoStern antifouling drive paint
23. Extend time between haul-outs by using Mercury Marine / Quicksilver Marine EcoStern
24. Reduce haul-out frequency by using Mercury Marine / Quicksilver Marine EcoStern

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25. With proper application techniques, Mercury Marine / Quicksilver Marine EcoStern can last an entire boating season, up to 12 months!
26. EcoStern will not void the Mercury Marine limited factory corrosion warranty like copper containing antifouling paints
27. EcoStern's aluminum compatible formula will not affect the limited factory corrosion warranty. 100% Copper Free.
28. Zinc-Omadine formula contains non persistent ingredients that are "fish friendly" / "eco friendly."
29. Higher percentage of active ingredient "Zinc Omadine" boosts antifouling protection up to a full boating season when applied properly!
30. EcoStern's "Zinc Omadine" formula provides premium fouling protection.
31. Discourages the settling of a wide variety of fouling organisms.
32. EcoStern's 3-coat/multi color application process gives superior film build for long lasting antifouling protection.
33. Visit [www.mercurymarine.com](http://www.mercurymarine.com) or [www.mercurypartsexpress.com](http://www.mercurypartsexpress.com) for more information about EcoStern. *[Other company websites may be substituted as appropriate.]*
34. EcoStern inhibits/blocks the attachment phase of marine sessile invertebrate and vegetation such as slime, sea grass, and algae.
35. Mercury Marine's / Quicksilver's patent pending 3-coat/multi color application process ensures biofouling protection that is unmatched in the industry.
36. EcoStern's patent pending 3-coat/multi color application process gives underwater components the biofouling protection that boater's expect.
37. Mercury Marine's / Quicksilver's proprietary 3-coat/multi color application process ensures biofouling protection that is unmatched in the industry.
38. EcoStern's proprietary 3-coat/multi color application process gives underwater components the biofouling protection that boater's expect.
39. Mercury Marine/Quicksilver EcoStern Tri-PAK offers complete protection: Guaranteed to reduce biofouling while maintaining your factory corrosion warranty.
40. EcoStern is 100% copper free. Refer to Mercury MerCruiser Service Bulletin 2007-12 *[bulletin number or date may be changed as appropriate.]* for more information on the effects of copper based antifouling paints when used on aluminum drives.
41. EcoStern "copper free" anti fouling paint and MerCruiser SeaCore offers a dramatic advantage in underwater marine protection against galvanic corrosion and biofouling.
42. Protect your MerCruiser SeaCore system by using the only Mercury Marine recommended antifouling paint – EcoStern. 100% copper free.
43. MerCruiser SeaCore System and Mercury EcoStern – a winning combination in your fight against corrosion and biofouling
44. MerCruiser SeaCore system uses hard coat anodizing and Mercury-exclusive Mercathode for advanced corrosion resistance. Protect your investment with the only Mercury recommended, 100% copper free antifouling paint, EcoStern.

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in EPA Letterhead:  
DEC 13 2008

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

748-11

45. Discover a new level in aluminum friendly biofouling protection. Mercury Marine's / Quicksilver Marine's EcoStern antifouling paint offers unmatched protection against biofouling in field conditions and harsh tide-range environments
46. Mercury Marine testing shows that when applied properly in accordance with Mercury recommended instructions, EcoStern can reduce biofouling by up to 80% against a leading competitor after 9 months of exposure
47. Mercury Marine testing shows that industry leading copper based anti foul paints can display significant signs of galvanic corrosion in only three weeks.
48. EcoStern's 3 coat / 2 color application process gives a visual warning system for a refinishing reminder
49. EcoStern uses a bio-based formula that reduces persistent sediment accumulation – protecting the environment and protecting your investment.
50. EcoStern antifouling paint is not Mercury Marine / MerCruiser approved for use on Volvo Penta sterndrives.
51. Mercury Marine EcoStern has not been tested for compatibility on Volvo Penta / competitive drives.
52. EcoStern has been factory approved for use on Mercury products. Mercury Marine does not recommend using Eco Shield on Volvo Penta / competitor product.
53. EcoStern antifouling paint has been factory tested to be aluminum friendly for use on Mercury and MerCruiser drive components containing our patented aluminum alloy. This product is not approved by Mercury Marine / MerCruiser for use on Volvo Penta drive components / competitor drive components / Yamaha Outboards
54. Eco Shield is the only factory approved antifouling drive paint for use on Mercury Racing products.
55. Use Eco Shield's 3-PAK kit to reapply or touch up MerCruiser SeaCore factory coated sterndrives.
56. MerCruiser factory applied antifouling coatings require seasonal reapplications. Use Eco Shield's 3-PAK to strengthen / refresh your factory antifouling paint.
57. Eco Shield's 3-PAK application provides the convenience of a gray signal coat that reminds you to reapply Eco Shield for sustained antifouling protection.
58. EcoStern does not protect against fouling within internal passages on drive or engine components such as water or exhaust cavities. Regular maintenance of these items is still required.
59. EcoStern increases efficiency and reduces fuel consumption for all stern drive, outboard, pod, and inboard applications by minimizing fouling.
60. Increase fuel efficiency and improve your boat's performance by using EcoStern, the only Mercury Marine recommended antifouling paint for propulsion units.
61. Mercury Marine EcoStern is compatible with Mercury's patented XK360 aluminum alloy.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
DEC 15 2008