

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION 8120-49	DATE OF ISSUANCE JUL 11 1988
	TERM OF ISSUANCE	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREГИSTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)		
NAME OF PESTICIDE PRODUCT Improval (35 Antifouling)		

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

[Faded text]
 [Faded text]
 [Faded text]

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

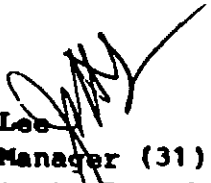
1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 8120-49" to your label before you release the product for shipment.
3. 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.
4. The submitted data sheet is acceptable. However, at the next printing of the data sheet, replace the word "Caution" with the word "Note" in the 8th paragraph, first page. Also, delete the notation 6 of 8, 7 of 8, and 8 of 8 at the bottom of the pages.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
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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.

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


John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

Enclosures

9
208

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (and DOMESTIC ANIMALS): Danger! - Corrosive. Causes irreversible eye damage and burns. Harmful if absorbed through skin, swallowed, or inhaled. Do not get in eyes, on skin, or clothing. Wear protective clothing such as goggles, gloves, long-sleeved cotton shirt, long pants, and hat. Wear a MSHA/NIOSH certified mask or respirator. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling. Do not breathe vapors, spray mist, or sanding dust. Use with adequate ventilation.

STATEMENT OF PRACTICAL TREATMENT: In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention. For overexposure to vapor, provide fresh air. If breathing is labored, give artificial respiration. Get medical attention. If swallowed, drink promptly a large quantity of milk, egg white, gelatin solution or if these 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.

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 debris in an approved landfill.

COMMODITY NO.

Form 5873 (R2/88)
Manufactured in USA

0346q

**AMERCOAT®
635
ANTIFOULING**

Active Ingredients: Tributyltin methacrylate (as part of polymer) 9.8%
Tributyltin fluoride 1.1%
Inert Ingredients: 89.1%
100.0%
Total Tin as metallic: 3.6%
Contains Petroleum Distillates

KEEP OUT OF REACH OF CHILDREN

DANGER

See other cautions on side panels. Use only in accordance with instructions accompanying shipment.

EPA Est. No: 8120 CA-1
EPA Registration No: 8120-49

FOR USE IN COMMERCIAL SHIPYARDS ONLY

AMERON®
Protective Coatings Division
Home Office: 201 N. Berry Street,
Brea, California 92621

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 11 1988

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

PHYSICAL OR
Flammable. Keep away from open flame and arc and open flame. Use with adequate ventilation during application and cleanup material. Blanket flames chemical. Wear respirator.

DIRECTIONS FOR USE
Follow instructions. If in violation of Federal Law to use in a manner inconsistent with the label.

STORAGE AND DISPOSAL: Store closed when not in use. Store in a dry, well-ventilated area. Do not contaminate water. Storage or disposal: Pesticide Improper disposal or rinsate is a violation of Federal Law. If this product comes in contact with your skin, contact your Environmental Protection Agency Regional EPA Office. Container Disposal: Do not reuse or dispose of in a manner inconsistent with applicable regulations.

WARRANTY - Refer to data sheet for application instructions and product.

DOT-Paint UN 1263
PHOTOCHEMICAL RULE

NET CONTENTS:

Application Instructions

To obtain the maximum performance for which this product is formulated, strict adherence to all application instructions, precautions, conditions, and limitations is necessary.

Surface Preparation

New vinyl or polyamide epoxy - Surface should be clean and dry.

Old vinyl or polyamide epoxy - Pressure water hose or sand wash to remove fouling organisms or contamination; allow to dry.

Application

New or old vinyl or synthetic resin primers - apply Amercoat 635 any time after vinyl has dried.

New polyamide epoxy - apply Amercoat 635 while epoxy is still tacky.

Old polyamide epoxy - Apply 1 coat Amercoat 83A or Amercoat 84* at 1 mil (25 microns), topcoat with Amercoat 635 while epoxy is still tacky to touch.

Caution: When applying Amercoat 635 antifouling coating over epoxy or coal tar epoxy anticorrosive coatings, apply first coat of antifouling while anticorrosive (epoxy or coal tar epoxy) is still tacky. At temperatures above 50°F (10°C), the topcoat time will be between 4 and 8 hours. At temperatures above 50°F (10°C), the topcoat time will be within 48 hours. Failure to apply antifouling coating while anticorrosive is still tacky may result in poor adhesion between coatings and the eventual delamination of antifouling from the anticorrosive.

Application Equipment

The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure and tip size may be needed for proper spray characteristics.

* Exempt version available

Components

1

Curing mechanism

Solvent release

Volume solids (calculated)

36% ± 3%

Dry film thickness

3 mils (75 microns)

Coats

2

Theoretical coverage^b

1 mil (25 microns)
3 mils (75 microns)

ft ² /gal	m ² /L
582	14.3
194	4.8

VOC

635
635/thinned 1/2 pint

lb/gal	g/L
4.6	552
4.7	564

Flash point (SETA)

Amercoat 635
Amercoat 65
Amercoat 12

°F	°C
84	29
78	25
0	-18

Application Data

Applied over

New or old vinyl,
synthetic resin primers,
or polyamide epoxies

Surface preparation

Clean, dry surface,
see primer

Method

Airless or conventional
spray, brush or roller

Environmental conditions

Temperature

air and surface

°F	°C
0 to 92	-18 to 44

Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation

Drying time (ASTM D1640)

touch
through
recoat

°F/°C	10/21
	30 min
	2 hrs
	2 hrs

Time before service @ 3 mil (75 microns)

immersion

°F/°C	10/21
	16 hrs

Airless spray - Standard element such as Graco Bulldog Hydra-Spray or larger, with a 0.019 fluid inch tip.

Conventional spray - Industrial equipment such as DeVilbiss MBC or JGA or Binks 18 or 62 spray gun. Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.

Mixer - Jiffy Mixer powered by an air or explosion-proof electric motor.

Environmental Conditions

Air and surface temperature: 0 to 120°F (-18 to 49°C).

Surface temperature must be at least 5°F (3°C) above the dew point to prevent condensation.

Application Procedure

1. Clean all equipment with Amercoat 12 cleaner before use.
2. Mix material thoroughly with explosion-proof mechanical mixer until uniform.
3. Thinning normally not required. If thinning necessary for workability, thin with up to 1/2 pint Amercoat 65 per gallon Amercoat 635.
4. Apply a wet coat in even, parallel passes, overlapping each pass 50 percent to avoid holidays, bare areas and pinholes. If required, cross spray at right angles to first pass.
5. Clean all equipment with Amercoat 12 immediately after use.

Precautionary Statements: Danger! Corrosive. Flammable. Contains xylene, organotin polymers, naphtha and zinc oxide.

Hazards to Humans and Domestic Animals

Danger - Vapor and spray mist can be harmful. Irritating to skin, mucous membranes, eyes and respiratory system. Excessive inhalation of vapors can cause headache, nausea, dizziness or asphyxiation. Can be harmful or fatal if swallowed. Kidney and liver damage can occur. Can cause irreversible eye and skin burns. Wear full protective clothing; head, skin and eye protection; NIOSH/MSHA certified respirator. Launder contaminated clothing before reuse. Wash thoroughly with soap and water after handling.

Thinner

Cleaner

Shipping Packaging Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 8/20-49 5-gal container

Shipping weight (approx.)

5-gal	59	26.9
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Shelf life when stored indoors at 40 to 100°F (4 to 38°C) 1 year from shipment date

Improper use and handling of this product can be hazardous to health and cause fire or explosion. Safety precautions with application instructions must be strictly followed during storage, handling, application and drying periods.

a Numerical values are subject to normal manufacturing tolerances, colors and testing variances.

b Allow for application losses and surface irregularities.

Statement of Practical Treatment

Overexposure to vapor - provide fresh air. If breathing is labored give oxygen or artificial respiration. For skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for at least 15 minutes and get IMMEDIATE medical attention. If swallowed, DO NOT induce vomiting - call physician immediately.

Environmental Hazards - Material is toxic to fish. Do not apply directly to water by cleaning of equipment, disposal of wastes or allow chips and dust generated during paint removal to enter water.

Physical Hazards - Flammable. Keep away from heat and open flame. In case of spillage, eliminate all sources of ignition.

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

Storage and disposal - Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

ACCEPTED

with COMMENTS

PA Letter Dated: Amercoat 65

JUL 11 1988 Amercoat 12

Container - Triple rinse or equivalent. Then offer to recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

Improper use and handling of this product can be hazardous to health and cause fire or explosion. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect personnel against toxic hazards. This is especially true in confined spaces such as tank interiors. Consult Code of Federal Regulations Title 29, Labor, parts 1910, 1915 and 1916 concerning occupational safety and health standards and regulations, as well as any other applicable federal, state and local regulations on safe practices in coating operations. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces.

If you do not fully understand these warnings and instructions or cannot strictly comply with them do not use the product

Warranty

This warranty pertains to a product containing chemicals required to be registered with the U.S. Environmental Protection Agency and supersedes Section 6 of Ameron Marine Coatings Division's Standard Terms and Conditions of Sale as listed on the invoice.

Ameron warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use, subject to the inherent risks referred to below. Ameron makes no other warranty express or implied of fitness or merchantability or any other express or implied warranty.

If a product does not conform with this warranty, Buyer must notify Ameron within five days of discovery of the defect, but in no event later than one year after delivery date or the expiration of the applicable shelf life, whichever is shorter. Ameron's sole obligation under this warranty shall be at its option, to credit Buyer's account, or to supply replacement material or repair. Failure to notify Ameron of nonconforming goods under this warranty, within the time specified above, shall bar Buyer from recovery hereunder. In no case shall Ameron be liable for consequential, special, indirect, punitive or other damages resulting from the use or handling of this product. Ameron offers this product and Buyer accepts it, subject to the conditions of sale and warranty which may be varied only by a written agreement signed by a duly authorized representative of Ameron.

The directions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond Ameron's control. All such risks are assumed by Buyer.

201 North Berry Street
Brea, California 92621

J. F. Kennedylaan 7
4191 MZ Geldermalsen, The Netherlands

(c) 1985 Ameron 9/87 supersedes 8/86

Printed in U.S.A.

0190q/6

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with COMMENTS
in EPA Letter Dated:

JUL 11 1988

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

8120-49

