

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR - 7 1990

Ameron
1331 P Street, N.W.
Suite 105
Washington, D.C. 20004

Attention: Kevin E. Brown, Registration Officer

Product Name: Ameron® 27% (27% active ingredient)
EPA Reg. #8120-24
Submission Date: 11-10-89
EPA Received Date: 11-13-89

This is in response to the above subject matter. The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below.

1. The revised Confidential Statement or Formula reflects the deletion of Tricresyl phosph. and addition of chlorinated paraffin and would be acceptable.

For our records submit revised Confidential Statement or Formula and change the lower certified limit of cuprous oxide (95%) to 75.7% so that label may declare 66.7% of cuprous oxide.

Note that for the active ingredients the lower certified limit must be declared on the label.

2. In the revised label change the words, "Active Ingredient" to singular, and delete from the ingredients statement, Butyl acetate and Butyl alcohol. You may not list some inert ingredients and not list others.

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CONCURRENCES

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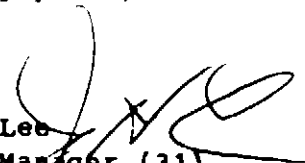
The enclosed 12 months storage and stability data is in compliance with CFR 40 part 158 and is acceptable. The removal of toxic inert ingredient, "Tricresyl phosphate" and substituting it with chlorinated paraffin is in compliance with PR Notice 87-6 and is acceptable.

3. Submit five (5) copies of your final printed labeling.

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

Should you have any further questions, please contact Veronica Dutch (703) 557-7404.

Sincerely yours,


John H. Lee
Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosure

Precautionary Statements - Hazards to Humans (and Domestic Animals): Warning! Vapor and spray mist can be harmful; irritating to eyes, skin, mucous membranes and respiratory system. Can cause headache, nausea, dizziness, asphyxiation or lung injury. Can be harmful if inhaled or swallowed. Possible eye and skin burns or injury. Overexposure to spray mist can damage kidneys, liver and blood.

Statement of Practical Treatment- For overexposure to vapor, spray mist or dust, provide fresh air; if breathing is labored, give artificial respiration or oxygen. For skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for at least 15 minutes and get medical attention. If swallowed, drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Avoid alcohol. Consult physician or poison control center immediately. Treat symptomatically.

Hygienic practices- Wash thoroughly after use and before eating, smoking or using washroom. Keep away from feed or food products. Launder contaminated clothing before use.

Physical or Chemical Hazards: Flammable. Keep away from heat, sparks, arc and open flame. Avoid breathing vapor, dust, spray mist or contact with eyes and skin. Use adequate ventilation during mixing, application and drying. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Wear protective equipment such as goggles, face protection, gloves, full protective clothing and properly fitted, positive pressure, air-supplied respirator (IC 100 NIOSH/MSHA) during mixing, spraying and until all vapors and mists are gone. In confined, poorly ventilated areas, use airline, hood type respiration and explosion and spark proof equipment. Welding and cutting can produce hazardous fumes and gases, follow the American National Standard Z49.1-1988, "Safety in welding and cutting."

UNM 5117 No.

Form 5203 (R11/83)

Manufactured in U.S.A.

For Use in Commercial Shipyards Only

AMERCOAT[®] 275E - Red ANTIFOULANT

Made in accordance with formula 129

Active Ingredients:	Cuprous Oxide	66.7%
Inert Ingredients:	butyl acetate, butyl alcohol	33.3%
		100.0%

Copper as Metallic 60.5%

KEEP OUT OF REACH OF CHILDREN

WARNING!

EPA Est. No. 8120 CA-1

EPA Registration No: 8120 24

See other cautions on side panel and MSDS. Use only in accordance with instructions accompanying shipment.

AMERCO[®]

Protective Coatings Division
Home Office: 201 N. Gerry Street
Brea, California 92622-1070

ACCEPTED
with COMMENTS
in EPA Letter Dated:

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
8120-24

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Fire - Blanket
Wear NIOSH/M
air-supplied re

Spillage - Elim
sparks. Use abs
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accordance with

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WARRANTY. Refe
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See also chemica
EPA Reg. No. 12
EPA Reg. No. 12
EPA Reg. No. 12

Not contents

coating systems compatible with Amercoat 275E or 277E.

Application Instructions

Adhere to all application instructions, precautions, conditions and limitations to obtain the maximum performance.

Surface Preparation

Coating performance is proportional to the degree of surface preparation. Prepare in accordance with instructions for anticorrosive coating used.

Caution: When applying Amercoat 275E or 277E antifouling coating over epoxy or coal tar epoxy anticorrosive coatings, apply first coat of antifoulant while anticorrosive (epoxy or coal tar epoxy) is still tacky or soft to fingernail pressure. Failure to apply antifouling coating while anticorrosive is still tacky may result in poor adhesion between coatings and eventual delamination of antifoulant 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.

Airless spray-Standard equipment with a minimum capacity of 2500 psi (175.8 kg/cm²) using available air supply. Can be sprayed with tips from 0.017" to 0.025" orifice.

Conventional spray-Industrial equipment such as DeVilbiss MBC gun with 704 air cap and "E" fluid tip, 15 to 20 psi (1.0 to 1.4 kg/cm²) gun pressure. Separate air and fluid pressure regulators, mechanical pot agitator and a moisture and oil trap in the main air supply line are recommended.



Physical Data

Finish	Flat	
Color		
275E	red	
277E	black	
Components	1	
Curing mechanism	Solvent release	
Volume solids (calculated)	63% \pm 3%	
Dry film thickness per coat	2 mils (50 microns)	
Coats	2	
Theoretical coverage ³	ft ² /gal	m ² /L
1 mil (25 microns)	1010	24.8
2 mils (50 microns)	505	12.4
VOC	lb/gal	g/L
275E	2.7	322
thinned/1 pt	3.2	382
277E	2.6	321
thinned/1 pt	3.1	381
Flash point	[°] F	[°] C
Amercoat 275E/277E	84	29 TCC
Amercoat 10E	27	-3 SETA

Application Data

Applied over	Vinyl or epoxy anticorrosive coatings
Surface preparation	Check anticorrosive coating
Method	Airless or conventional spray

Environmental conditions

Temperature	[°] F	[°] C
air and surface	0 to 120	-18 to 49

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

Drying time (ASTM D1640) at 70°F (21°C)

recoat	2 hrs
topcoat	4 hrs

Time before immersion at 2 mils (50 microns) 70°F (21°C)
16 hrs

Thinner and cleaner
Amercoat 10E

Shipping Data

Packaging
5-gal container

Shipping weight (approx.)	lb	kg
5-gal		
275E	103	46.9
277E	102	46.5

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.

a Allow for application losses and surface irregularities.

This product is non-photochemically reactive as defined by the California South Coast Air Quality Management District Rule 102 and equivalent regulations.

Application Procedure

1. Flush all equipment with Amercoat 10E thinner.
2. If thinning is necessary for workability, add up to 1 pint Amercoat 10E per gallon Amercoat 275E or 277E and stir thoroughly.
3. Apply a wet coat in even parallel passes, overlap each pass 50 percent to avoid holidays, bare areas and pinholes. Cross spray at right angles to first pass.
4. Clean all equipment with Amercoat 10E immediately after use.

Safety Precautions

Hazards to Humans and Domestic Animals: Flammable.

Warning! Contains cuprous oxide, butyl acetate, butyl alcohol, vinyl chloride resin. Vapor and spray mist can be harmful; irritating to eyes, skin, mucous membranes and respiratory system. Can cause headache, nausea, dizziness, asphyxiation or lung injury. Can be harmful if inhaled or swallowed. Possible eye and skin burns or injury. Overexposure to spray mist can damage kidneys, liver and blood.

Statement of Practical Treatment - For overexposure to vapor, spray mist or dust, provide fresh air; if breathing is labored, give artificial respiration or oxygen. For skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for at least 15 minutes and get medical attention. If swallowed, drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Avoid alcohol. Consult physician or poison control center immediately. Treat symptomatically.

Hygienic practices-Wash thoroughly after use and before eating, smoking or using washroom. Keep away from feed or food products. Launder contaminated clothing before use.

Physical or Chemical Hazards: Flammable. Keep away from heat, sparks, arc and open flame. Avoid breathing vapor, dust, spray mist or contact with eyes and skin. Use adequate ventilation during mixing, application and drying. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Wear protective equipment such as goggles, face protection, gloves, full protective clothing and properly fitted, positive-pressure, air-supplied respirator (TC 19C NIOSH/MSHA) during mixing, spraying and until all vapors and mists are gone. In confined, poorly ventilated areas, use airline, hood-type respirator and explosion- and spark-proof equipment. Welding and cutting can produce hazardous fumes and gases; follow the American National Standard Z49.1 - 1988, "Safety in Welding and Cutting."

Environmental hazards-Material toxic to fish. Do not apply directly to water by cleaning equipment, disposal of wastes or allow chips or dust generated during paint removal to enter water. Dispose of paint debris in an approved landfill.

Fire-Blanket flames with foam, CO₂, dry chemical. Wear NIOSH/MSHA certified, self-contained air-supplied respirators.

Spillage-Eliminate all sources of ignition or sparks. Use absorbent cleanup materials; place in separate, closed, metal container and dispose of in accordance with all applicable regulations.

Directions for use-It is a violation of federal law to use this product in a manner inconsistent with its labeling or application instructions.

Storage and disposal-Store in cool, dry, well-ventilated area. Keep container closed and upright when not in use. Do not contaminate water, food or feed by storage or disposal.

Container-Triple rinse or equivalent. Pesticide: Pesticide wastes are toxic. Improper disposal of this product or its rinsate is a violation of Federal Law. If this product cannot be disposed or by use according to label instructions, contact your State Pesticide or Environmental Control Agency or Regional EPA Office, Hazardous Waste.

Caution - Improper use and handling of this product can be hazardous to health and cause fire or explosion.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. Ameron makes no recommendation about the types of safety measures that may need to be adopted because these depend on application environment and space, of which ameron is unaware and over which it has no control.

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

Note: 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.

Notice: This product is for industrial use only.

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

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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.

Limitation of Liability

Ameron's liability on any claim of any kind, including claims based upon Ameron's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall Ameron be liable for consequential or incidental damages.

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4635 Firestone Boulevard
Southgate, California 90280

Protective Coatings Division
201 North Berry Street
Brea, California 92622-1020

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Printed in U.S.A.

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