

PM 31 2693-46
 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

10/2

JAN 16 1992

Courtaulds Coatings
 fka International Paint (USA), Inc.
 2270 Morris Avenue
 Union, NJ 07083

Attention: Raymond P. Gangi

Subject: MIL-P- 15931B Formula 121/63 Antifouling
 Paint Vinyl Red
 EPA Registration No. 2693-46
 Amendment Dated April 19, 1991

The amendment referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes below.

1. Delete "marine structures" from the label, this use pattern has not been accepted for copper based antifoulants to date and may require additional data.

2. Include your complete EPA Establishment No. on the product label.

3. Revise your storage and disposal section by including the headings "Pesticide Disposal" and "Container Disposal". Also include the statement "Pesticide wastes are toxic" as the first sentence of the "Pesticide Disposal" section.

4. Correct the spelling of the word paint in your product name.

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

Sincerely yours,



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

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

International



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear protective clothing such as gloves, long-sleeved cotton shirt, long pants, and hat. May be fatal if swallowed or inhaled. Do not breathe vapor or spray mist. While spraying paint or sanding boat surface, wear a mask or respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT:

IF SWALLOWED: Drink promptly a large quantity of water. Avoid alcohol. Get medical attention.

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

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.

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.

PHYSICAL OR CHEMICAL HAZARD: FLAMMABLE! Keep away from heat or open flame.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MIL-P-15931B

Formula 121/63
ANTIFOULING PIAINT,

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
VINYL RED
For Hot Spray

2693-46

FOR COMMERCIAL USE ONLY

Active Ingredients:

CUPROUS OXIDE

Inert Ingredients:

ELEMENTAL COPPER 58.45%

Contains petroleum distillates.

KEEP OUT OF REACH OF CHILDREN
WARNING

- See side panel for additional Precautionary Statement -

EPA Reg. No.: 2693-46

EPA Est. No.: 26

International Paint Company

HOUSTON, TX 77292 • NEW ORLEANS, LA 70186 • SAN FRANCISCO, CA 94080 • UNB

Net Contents: 5 gallon

BEST AVAILABLE COPY

through the foliage and translocates throughout the plant. Control symptoms exhibited by the grass plant progress from a slowing or stopping of growth (generally within 2 days), to reddening of the foliage, and to leaf tip burn. Subsequently, die-back of the foliage occurs and is often accompanied by decay of the nodes.

These symptoms will generally be observed within three weeks, depending on environmental conditions.

Application Information For **Air** and Ground Equipment

Apply **POAST PLUS** to actively growing grasses when they are at the proper growth stage as specified by the Recommendations for Grass Control.

Thorough coverage of the grass foliage is essential. This is because the effectiveness of **POAST PLUS** is dependent on the absorption and movement of **POAST PLUS** throughout the plant.

Do not apply to grasses under stress such as stress due to lack of moisture, herbicide injury, mechanical injury or cold temperatures, since

Spray gallonage: Use a minimum volume of 5 gallons and a maximum volume of 20 gallons of spray solution per acre. In Arizona, Nevada and Western New Mexico, use a minimum of 10 gallons per acre. In the High and Rolling Plains of Texas, Western Oklahoma, Western Kansas and Eastern New Mexico, use a minimum of 5 gallons per acre and a maximum of 10 gallons per acre.

Spray pressure: When using standard high pressure hollow cone or flat fan nozzles, adjust pressure to a minimum of 40 psi and a maximum of 60 psi at the nozzle.

Inadequate spray coverage of grasses due to heavy alfalfa canopy may result in reduced control. Always adjust spray pressure, spray volume and height of spray boom to ensure penetration of plant canopy and thorough coverage of grasses to be controlled. Tall weeds, such as volunteer corn, may require the boom height to be as high as 20 inches above the corn height; refer to the nozzle manufacturer's directions for recommended height.

Other spray equipment: Do not use selective application equipment such as recirculating sprayers, wiper applicators, or

DASH or a nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should always be added to the spray tank. **DASH** spray adjuvant is a surfactant solution containing only EPA-exempt ingredients. This adjuvant has been developed as a replacement for crop oil concentrate. The oil concentrate must contain either a petroleum or vegetable oil base and must meet the following criteria: 1) be nonphytotoxic, 2) contain only EPA-exempt ingredients, 3) provide good mixing quality in the jar test (see Note about ammonium sulfate), and 4) be successful in local experience. The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers which provide good mixing quality. For vegetable oil concentrates, it has been observed that highly refined vegetable oils are more satisfactory than unrefined vegetable oils. For additional information see Jar Test for Estimating Suitability of Oil Concentrate below.

Rate of oil concentrate: 2 pints per acre.

Rate of Dash: 2 pints per acre.

SPECIAL INSTRUCTIONS: Do not store in direct sunlight for prolonged periods, such that the paint temperature is above 100°F. Contents may be applied by hot spray (temperature not to exceed 350°F), airless spray, or regular cold spray (normally no thinning required). Where thinning is necessary, use Methyl Isobutyl Ketone.

MIXING AND THINNING INSTRUCTIONS: Mix thoroughly with power mixer prior to application. This coating is designed to be applied without thinning.

CLEAN-UP: For tools, equipment, etc., use INTERNATIONAL THINNER GTA407.

MINIMUM DRY AND LAUNCHING TIMES: Minimum drying time between coats is 8 hours and before launching is 24 hours at a temperature of 73°F.

THEORETICAL COVERAGE: 489 square feet per gallon, per coat at 0.001 inch dry film thickness. Consult your International representative for actual coverage on enclosures. Practical square foot coverage per gallon per coat is directly proportional to surface, application technique, and climatic conditions.

APPLICATION SYSTEMS

EXISTING MIL-P-15931B VINYL ANTIFOULING SYSTEMS: High pressure fresh water wash with a minimum of 2500 psi to remove all marine growth, slime, salts, etc. Spot blast all areas of corrosion to Near White Metal. Blow down with clean dry high pressure air to remove all spent abrasives. Apply an approved underwater anticorrosive system.

POOR HULL CONDITION: For "optimum" results, blast entire area to Near White Metal. Apply an approved underwater anticorrosive system.

NEW SHIP CONSTRUCTION: Blast entire area to Near White Metal. Blow down with clean dry high pressure air to remove all spent abrasives. Apply an approved underwater anticorrosive system.

WOOD AND NON-FERROUS SURFACES: Contact INTERNATIONAL PAINT Representative.

DISCLAIMER: The performance of any marine paint or coating depends on many factors outside the control of Courtalds Coatings, including surface preparation, proper application and environmental conditions. Therefore Courtalds Coatings Inc. cannot guarantee its suitability for your particular surface application. WITHOUT WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, COURTALDS COATINGS INC. EXCLUDES COURTALDS COATINGS INC. SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. By purchase or use of the product, buyer agrees that it is sole and exclusive remedy is limited to the return of the purchase price or replacement of the product, at Courtalds Coatings Inc. option.

S-12-91

BEST AVAILABLE

with 2,4-DB in Alfalfa for Grass and Broadleaf Weed Control

Use a tank mix of POAST PLUS with 2,4-DB for the control of mixed populations of grasses and broadleaf weeds listed as susceptible on the two product labels. Prepare the tank mix by adding 2,4-DB to half the final volume of water with agitation running. Then add POAST PLUS herbicide followed by the oil concentrate or DASH spray adjuvant and bring mix to final volume. Agitation must be continuous from time of mixing through spraying. Include 2,4-DB as a tank mix with POAST PLUS at no more than 0.75 pounds acid equivalent per acre. 2,4-DB formulations include Butoxone[®] herbicide (1.75 lbs./gal), Butoxone Ester (2.0 lbs./gal.), Butyrac[®] 200 herbicide (2.0 lbs./gal.), and Butyrac Ester (2.0 lbs./gal.).

Some leaf yellowing and phenoxy symptoms of the alfalfa may occur with this tank mix. Use of 2,4-DB ester formulations may increase the severity of leaf injury. Additionally, 2,4-DB alone may cause twisting of stems and malformation of leaves. (Refer to 2,4-DB label). Alfalfa plants will generally outgrow these temporary leaf injuries.

Do not use more than 0.75 acid equivalent per acre of 2,4-DB in this tank mix.

ammonium sulfate to a POAST PLUS plus 2,4-DB tank mix. Do not apply POAST PLUS and 2,4-DB as a tank mix unless all feeding, grazing and harvesting restrictions on the 2,4-DB label can be observed.

Observe all restrictions and limitations on the label of both products.

The most restrictive labeling applies to tank mixes.

Recommendations for Grass Control

- Apply to actively growing grasses at the sizes indicated below.
- Always follow recommendations given in the Application Information section.
- Always adjust spray pressure, spray volume and height of spray boom to ensure penetration of plant canopy and thorough coverage of grasses to be controlled.
- In irrigated areas it may be necessary to irrigate prior to treatment with POAST PLUS to ensure weeds are growing actively.
- Add 2 pints of DASH or 2 pints oil concentrate per acre.

reaches the minimum height (so there will be enough leaf area for absorption) and before it exceeds the maximum height indicated. Apply before alfalfa canopies over the grasses and interferes with spray coverage. Also, applications after an alfalfa cutting may need to be timed to follow an irrigation or a rainfall which will allow the grasses to regrow to treatable size.

Some annual grasses are spring- and summer-germinating while others are fall- or winter-germinating, and the time they are actively growing and most susceptible to POAST PLUS may vary from area to area. Also some annuals germinate over a long period of time, and since control of small grasses is desired, applications after each weed flush may be needed. As a general guideline, spray spring- and summer-germinating grasses as early in the season as possible. Optimum application timing may occur very early in the spring after initial green-up. Spray fall- or winter-germinating weeds in the fall soon after they begin growing but before any killing frosts. Weeds are more susceptible to POAST PLUS when they begin growth, and control is more complete. However, late fall applications may be less effective due to environmental changes, such as frosts, or due to the on-set of flowering.