



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

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OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

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Subject: Label Amendment Submission of 12/04/93 in Response to PR Notice 93-7  
EPA Reg. No. 49517-1  
MAPCO BRAND POLY-FOLIANT LIQUID DEFOLIANT

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

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Comment for: EPA Reg Nr.49517-1  
MAPCO BRAND POLY-FOLIANT LIQUID DEFOLIANT

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Add the following statement to the "Personal Protective Equipment" section of your label: "Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them." The exact location ofr this statement is shown in Section A on Part 1 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Place the heading "Personal Protective Equipment" on your labeling in the location shown in Section A on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

Correct the typographical errors circled on your proposed label.



## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

**DANGER:** Corrosive. Causes eye damage. Harmful or fatal if swallowed. Do not get in eyes, on skin or on clothing. ~~Wear goggles or face shield when handling this product.~~ Avoid contact with skin. ~~Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.~~

### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. Clean and wash spray equipment before and after use and do not allow wash water to contact desirable plants.

### **PHYSICAL AND CHEMICAL HAZARDS**

To avoid fire or explosion do not mix with insecticides.

### **CHEMIGATION PROHIBITION**

Do not apply this product through any type of irrigation system.

## DIRECTIONS FOR USE

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

**AS A COTTON DEFOLIANT:** Use Poly-Foliant at the rate of 2 to 3 gallons in 5-10 gallons of water per acre by airplane. For ground application, use Poly-Foliant at the rate of 2 to 3 gallons in 20-50 gallons of water per acre. A spreader or activator should be used for Poly-Foliant. For this purpose, M.A.P.CO. Brand Defoliant Spreader is recommended, and should be used at the rate of 1 quart per 100 gallons of spray solution added to the solution in the spray tank.

**COTTON:** The action of chemical defoliants is greatly affected by local conditions such as soil moisture, atmospheric moisture, plant maturity, and certain other factors.

Conditions before defoliant application which are favorable for defoliation include: uniform development of plants, adequate moisture and nutrient supply, and good insect control throughout the season. Conditions at the time of defoliant application which are favorable for defoliation include: mature plants with heavy uniform boll-load, leaves tender, active and not wilted, no second growth present, weather warm but not hot, humidity fairly high and air calm. Do not graze or feed gin waste to livestock.

### Suggestions for Application

**TIMING:** Apply sprays when conditions for defoliation are as favorable as possible and when the youngest bolls expected to make cotton are at least 30 days old. **DO NOT APPLY WITHIN 7 DAYS OF HARVEST.**

**As a Cotton Defoliant:** IMMATURITY AND DROUGHT OF THE COTTON PLANT ARE THE MOST FREQUENT CAUSES OF UNSATISFACTORY DEFOLIATION. Under most growing conditions, proper maturity is indicated by the green foliage color becoming lighter and tinged with red, and by a definite reddening of the stems. Maturity often varies within a field, making uniform defoliation difficult to obtain. Second growth sometimes appears after plants are mature. This is difficult to defoliate, and may cause staining of machine-picked cotton. Apply Poly-Foliant 2 to 3 weeks before anticipated picking date. Do not defoliate when cotton is suffering from drought as evidenced by a wilt condition of the plant. Thorough coverage of the plant is essential, whether applied by airplane or ground sprayer. In airplane application, swath width should not exceed wing spread. This has been found to be extremely important for satisfactory defoliation and drying. For best results, nozzles should be small orifice, fan spray type.

## RE-ENTRY STATEMENT

~~Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.~~

~~Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.~~

~~Written or oral warnings must be given to workers who are expected to be in a treated area about to be treated with this product. Indicate specific oral warnings which inform workers of areas of fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure). Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "DANGER" Area treated with Sodium Chlorate on (date of Application). Do not enter without appropriate protective clothing until spray have dried.~~

## STORAGE AND DISPOSAL

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

**STORAGE INSTRUCTIONS:** Storage should be in a cool, dry area away from any heat or ignition source.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely toxic. Improper disposal of excess pesticide, spray mixture, 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

## CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Moore Agricultural Products Co., Inc. (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning this product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against the Company exceed the price of the product which causes the alleged loss, damage, injury, or other claim. The Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income.

The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.