

COTTON-AIDE HC

**Cotton Defoliant
For Use On
Irrigated and Dryland Cotton**

ACTIVE INGREDIENTS:

Sodium Cacodylate. 28.40%

Dimethylarsinic Acid

Cacodylic Acid 4.90%

INERT INGREDIENTS: 66.70%

TOTAL 100.00%

Total Arsenic (as elemental) all in water soluble form 16.28%

Contains 3.25 lbs. Cacodylic Acid Equivalent per gallon.

Read entire label before using this product

KEEP OUT OF REACH OF CHILDREN

CAUTION:

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

Harmful if swallowed or inhaled. Avoid breathing spray mist. (Coarse sprays are less likely to drift.) Avoid contact with eyes, skin, or clothing. Causes eye irritation. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children and domestic animals off treated areas until washed into the soil. Avoid contamination of feed or food products.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, call a physician immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. DO NOT induce vomiting or give anything by mouth to an unconscious person.

If on skin, wash with plenty of soap and water. Get medical attention if irritation persists.

If inhaled, remove victim to fresh air. Apply artificial respiration, preferably by mouth to mouth, if indicated.

If in eyes, flush with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

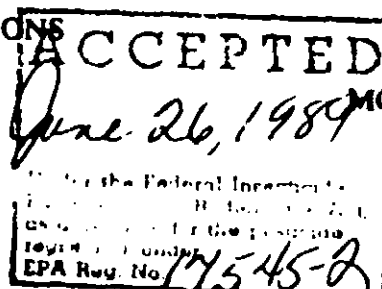
This product is toxic to fish, birds and other wildlife. DO NOT apply directly to water or wetlands. DO NOT contaminate water when disposing of equipment washwaters.

EPA Reg. No. 17545-2

EPA Est. No. 42519-IS-01

NET CONTENTS: 2.5 GALLONS

This product is manufactured by:



MONTEREY CHEMICAL COMPANY

P.O. BOX 5317

FRESNO, CALIFORNIA 93755

0188/1288(02)

GENERAL INFORMATION: COTTON-AIDE HC may be used as a harvest aid for the defoliation of cotton. COTTON-AIDE HC is also a non-selective postemergence herbicide. It will kill vegetation on contact. However, its phytotoxic properties are quickly inactivated upon contact with the soil.

CARE OF EQUIPMENT: Although COTTON-AIDE HC is only moderately corrosive, do not apply with any applicator having zinc, aluminum, magnesium or alloy components. Clean equipment after use by flushing with water.

DIRECTIONS FOR USE

It is a violation of Federal and State Law to use this product in any manner inconsistent with this label.

CHEMIGATION: DO NOT apply this product through any type of irrigation system.

MIXING AND APPLICATION INSTRUCTIONS: Fill spray tank with desired quantity of water. While agitating, add the recommended amount of COTTON-AIDE HC. Thoroughly mix prior to application. The sprayer should be carefully calibrated for best results. Apply the spray solution at the proper rate in the proper amount of water to the properly measured area.

DEFOLIATION OF COTTON:

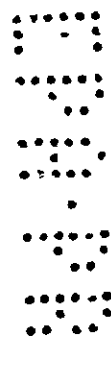
Dryland Cotton: Apply 2 - 2 1/2 pints COTTON-AIDE HC per acre 7-10 days before harvest when at least 50% of bolls are open.

Irrigated Cotton: Apply 2 1/2 - 3 pints COTTON-AIDE HC per acre before harvest when at least 50% of bolls are open.

For proper defoliation, spray solution must contact all leaves. Proper equipment calibration is essential. If applied by aircraft, use 5-10 gallons of water per acre. If applied by ground equipment, use 15-20 gallons of water per acre. Addition of a non-ionic surfactant, which has been cleared for application to growing crops, may enhance coverage and overall performance. Use surfactants in accordance with their manufacturer's directions, precautions, and restrictions.

COTTON-AIDE HC at 1 1/2 - 2 pints/acre may be tank-mixed with Defol 6^R or other sodium chlorate-containing products, DEF^R 6, Folex^R 6EC, Dropp^R 50WP, Harvade^R-5F, Accelerate^R or paraquat products for cotton desiccation/defoliation according to local practices or seasonal conditions. Do so in accordance with the most restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. To assure tank mixture compatibility, mix the correct proportions of the components in a small container and let stand for five minutes. If the combination remains mixed, or can be readily remixed, the tank mixture may be considered compatible.

Avoid spray contact with aircraft components to minimize corrosion.
DO NOT feed treated foliage to livestock or graze treated areas.



GENERAL WEED CONTROL: COTTON-AIDE HC will top-kill annual and perennial weeds in non-crop areas around buildings, industrial sights, storage yards and vacant lots; rights-of-way and road-ways; and fencerows and drainage ditchbanks. Apply 2 1/2 gallons of COTTON-AIDE HC in 65-100 gallons of water per acre. Apply COTTON-AIDE HC as a broadcast treatment or directed spray to weeds around desirable plants. Wet foliage of actively growing weeds to run-off. Should regrowth occur, retreat five days after first application. Sunshine and temperatures above 75°F will accelerate herbicidal activity.

Note: COTTON-AIDE HC contains a suitable wetting agent for normal use. However, for hard to kill and larger weeds in certain arid regions, addition of non-ionic surfactant may enhance weed control.

Avoid spray contact with desirable plants. DO NOT use in vegetable gardens or around crops grown for food or feed. DO NOT contaminate water used for irrigation or domestic purposes.

STORAGE AND DISPOSAL

PROHIBITION: DO NOT store near feed or food products.

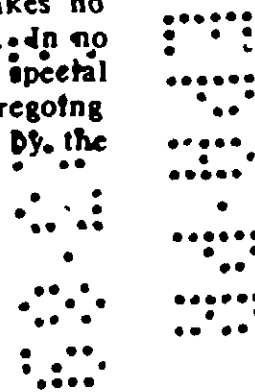
PESTICIDE DISPOSAL: DO NOT contaminate water, food, or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives 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.

WARRANTY - CONDITIONS OF SALE: DIRECTIONS FOR USE of this product are based on field use and tests believed reliable and should be followed carefully. It is, however, impossible to eliminate all risks associated with use of this product. Because such factors as weather conditions, foreign material and manner of use for application are all beyond the control of Monterey Chemical Company or the Seller of this product, such things as crop injury, ineffectiveness or other unintended consequences may result. ALL SUCH RISKS ARE ASSUMED BY THE BUYER.

Monterey Chemical Company 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 as modified by the above. Monterey Chemical Company makes no other warranties, express or implied, including FITNESS or MERCHANTABILITY. In no case shall Monterey Chemical Company or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The foregoing is a condition of sale by Monterey Chemical Company and is accepted as such by the Buyer.

(Accelerate[®] - Pennwalt Corp.)
 (DEF[®] - Mobay Corp.)
 (Defol 6[®] - Drexel Chemical Co.)
 (Dropp[®] - NOR-AM Chemical Co.)
 (Folex[®] - Rhone-Poulenc Ag Company)
 (Harvade[®] - Uniroyal Chemical Co., Inc.)



DEC 6 1988

Mr. Scott Hathorn III
Monterey Chemical Company
5150 North Sixth Street, Suite 150
P.O. Box 5317
Fresno, CA 93755

Dear Mr. Hathorn:

Subject: Amended Labeling
Cotton-Aide HC
EPA Registration No. 17545-2
Your Submission Dated August 3, 1988

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:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling.
 - a. In the tank mix directions delete "such as." Specific tank mix directions must appear on the labeling. Refer to the enclosed PR Notice 82-1.
 - b. After surfactants, specify "cleared for application to growing crops."
2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

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

Sincerely yours,

Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosures

50613:1:Mountfort:LMF-10:KENCO:12/5/88:12/14/88:rw:vo:rw

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

COTTON-AIDE HC

**Cotton Defoliant
For Use On
Irrigated and Dryland Cotton**

ACTIVE INGREDIENTS:

Sodium Cacodylate	29.00%
Dimethylarsinic Acid	
Cacodylic Acid	5.00%

INERT INGREDIENTS:	66.00%
-------------------------------------	--------

TOTAL	100.00%
------------------------	---------

Total Arsenic (as elemental) all in water soluble form	16.28%
--	--------

Contains 3.25 lbs. Cacodylic Acid Equivalent per gallon.

Read entire label before using this product

KEEP OUT OF REACH OF CHILDREN

CAUTION:

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

Harmful if swallowed or inhaled. Avoid breathing spray mist. (Coarse sprays are less likely to drift.) Avoid contact with eyes, skin, or clothing. Causes eye irritation. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children and domestic animals off treated areas until washed into the soil. Avoid contamination of feed or food products.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, call a physician immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. DO NOT induce vomiting or give anything by mouth to an unconscious person.

If on skin, wash with plenty of soap and water. Get medical attention if irritation persists.

If inhaled, remove victim to fresh air. Apply artificial respiration, preferably by mouth to mouth, if indicated.

If in eyes, flush with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. DO NOT apply directly to water or wet lands. DO NOT contaminate water when disposing of equipment washwaters.

EPA Reg. No. 17545-2
EPA Est. No. 42519-IS-01

NET CONTENTS: 2.5 GALLONS

This product is manufactured by:

**MONTEREY CHEMICAL COMPANY
P.O. BOX 5317
FRESNO, CALIFORNIA 93755**

17545-2

BEST AVAILABLE COPY

0188/0188(01)c

2051
GENERAL INFORMATION: COTTON-AIDE HC may be used as a harvest aid for the defoliation of cotton. COTTON-AIDE HC is also a non-selective postemergence herbicide. It will kill vegetation on contact. However, its phytotoxic properties are quickly inactivated upon contact with the soil.

CARE OF EQUIPMENT: Although COTTON-AIDE HC is only moderately corrosive, do not apply with any applicator having zinc, aluminum, magnesium or alloy components. Clean equipment after use by flushing with water.

DIRECTIONS FOR USE

It is a violation of Federal and State Law to use this product in any manner inconsistent with this label.

CHEMIGATION: DO NOT apply this product through any type of irrigation system.

MIXING AND APPLICATION INSTRUCTIONS: Fill spray tank with desired quantity of water. While agitating, add the recommended amount of COTTON-AIDE HC. Thoroughly mix prior to application. The sprayer should be carefully calibrated for best results. Apply the spray solution at the proper rate in the proper amount of water to the properly measured area.

DEFOLIATION OF COTTON:

Dryland Cotton: Apply 2 - 2 1/2 pints COTTON-AIDE HC per acre 7-10 days before harvest when at least 50% of bolls are open.

Irrigated Cotton: Apply 2 1/2 - 3 pints COTTON-AIDE HC per acre before harvest when at least 50% of bolls are open.

For proper defoliation, spray solution must contact all leaves. Proper equipment calibration is essential. If applied by aircraft, use 5-10 gallons of water per acre. If applied by ground equipment, use 15-20 gallons of water per acre. Addition of non-ionic surfactant may enhance coverage and overall performance. Use surfactants in accordance with their manufacturer's directions, precautions, and restrictions.

COTTON-AIDE HC also may be tank-mixed with phosphate or chlorate defoliant/desiccants such as DEF^R or DEFOL 6^R to accommodate local cultural practices or seasonal conditions. Observe all precautions, restrictions, recommended use rates and application specifics of such products. DO NOT exceed the labeled rates for the individual products in the tank mixture. To assure tank mixture compatibility, mix the correct proportions of the components in a small container and let stand for five minutes. If the combination remains mixed, or can be readily remixed, the tank mixture may be considered compatible.

Avoid spray contact with aircraft components to minimize corrosion.
DO NOT feed treated foliage to livestock or graze treated areas.

BEST AVAILABLE COPY

- 90 -

GENERAL WEED CONTROL: COTTON-AIDE HC will top-kill annual and perennial weeds in non-crop areas around buildings, industrial sights, storage yards and vacant lots; rights-of-way and road-ways; and fencerows and drainage ditchbanks. Apply 2 1/2 gallons of COTTON-AIDE HC in 65-100 gallons of water per acre. Apply COTTON-AIDE HC as a broadcast treatment or directed spray to weeds around desirable plants. Wet foliage of actively growing weeds to run-off. Should regrowth occur, retreat five days after first application. Sunshine and temperatures above 75°F will accelerate herbicidal activity.

Note: COTTON-AIDE HC contains a suitable wetting agent for normal use. However, for hard to kill and larger weeds in certain arid regions, addition of non-ionic surfactant may enhance weed control.

Avoid spray contact with desirable plants. DO NOT use in vegetable gardens or around crops grown for food or feed. DO NOT contaminate water used for irrigation or domestic purposes.

STORAGE AND DISPOSAL

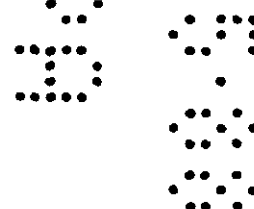
PROHIBITION: DO NOT store near feed or food products.

PESTICIDE DISPOSAL: DO NOT contaminate water, food, or feed by storage or disposal. Pesticide wastes are 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 representatives 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.

WARRANTY - CONDITIONS OF SALE: DIRECTIONS FOR USE of this product are based on field use and tests believed reliable and should be followed carefully. It is, however, impossible to eliminate all risks associated with use of this product. Because such factors as weather conditions, foreign material and manner of use for application are all beyond the control of Monterey Chemical Company or the Seller of this product, such things as crop injury, ineffectiveness or other unintended consequences may result. ALL SUCH RISKS ARE ASSUMED BY THE BUYER.

Monterey Chemical Company 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 as modified by the above. Monterey Chemical Company makes no other warranties, express or implied, including FITNESS or MERCHANTABILITY. In no case shall Monterey Chemical Company or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The foregoing is a condition of sale by Monterey Chemical Company and is accepted as such by the Buyer.



BEST AVAILABLE COPY



Orders: (209) 225-4770

5.3.5
Proposed Labeling 8/2/88

SUPPLEMENTAL LABELING

COTTON-AIDE HC
EPA Reg. No. 17545-2

This bulletin contains supplemental Directions for use which have been approved by the U.S. Environmental Protection Agency but do not appear on the container label of this product. This supplemental labeling must be in possession of the User at the time of application. Refer to the container labeling for Precautionary Statements, Statements of Practical Treatment, General Product and Care of Equipment Information, Mixing and Application Instructions, and Storage and Disposal Directions.

STOP, READ THIS LABEL CAREFULLY BEFORE USING PRODUCT

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

LAWN ESTABLISHMENT AND RENOVATION: COTTON-AIDE HC may be used to destroy weeds before lawn establishment or weeds and existing turf for lawn renovation. For best results, mow weeds or turf to about 1" height before treatment. Apply 7½ fluid ounces (15 tablespoonfuls) of COTTON-AIDE HC in 4-5 gallons of water per 1000 sq.ft. either as a broadcast treatment or spot spray. Wet foliage of actively growing weeds to run-off. COTTON-AIDE HC will top-kill annual or perennial weeds. However, certain hard-to-kill species, such as Bermudagrass or Dallisgrass, may require repeat applications. Should regrowth occur, retreat 5 days after first application.

CAUTION: Delay reseeding a minimum of 5 days after last application. Dead vegetation need not be removed unless matted turf or thatch would prevent lawn seed for making soil contact. Precede reseeding by watering treated area heavily. Seed may be worked into soil if necessary, by scarfying or raking. A light top dressing of screened peat moss will help retain moisture during germination. Keep area moist.

UR88/0188(01)0

NEW RELEASED