

400-578

04-08-2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:
400-578

Date of Issuance:
APR - 8 2010

NOTICE OF PESTICIDE:
 Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
BLIZZARD

Name and Address of Registrant (include ZIP Code):

CHEMTURA CORPORATION
199 BENSON ROAD (2-5)
MIDDLEBURY, CT 06749

~~Note: changes in labeling 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 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. Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data.
2. Make the following label changes listed below before you release the product for shipment:
 - a. Add the phrase, "EPA Reg. No. 400-578".

Signature of Approving Official:

Kathryn V. Montague
Product Manager (23)
Herbicide Branch
Registration Division (7505P)

Date:

APR - 8 2010

b. If all the precautionary statements cannot appear on the front panel, add a referral statement similar to the following:

See side panel for additional precautionary statements.

c. According to PR Notice 82-2, the Tank Mix directions must include statements similar to the following:

Use in accordance with the most restrictive of label limitations and precautions.

d. Delete the term "General" in headings on the labeling. This term implies that the directions and restrictions do not all have to be followed as specified on the label.

3. Submit one (1) copy 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.

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.

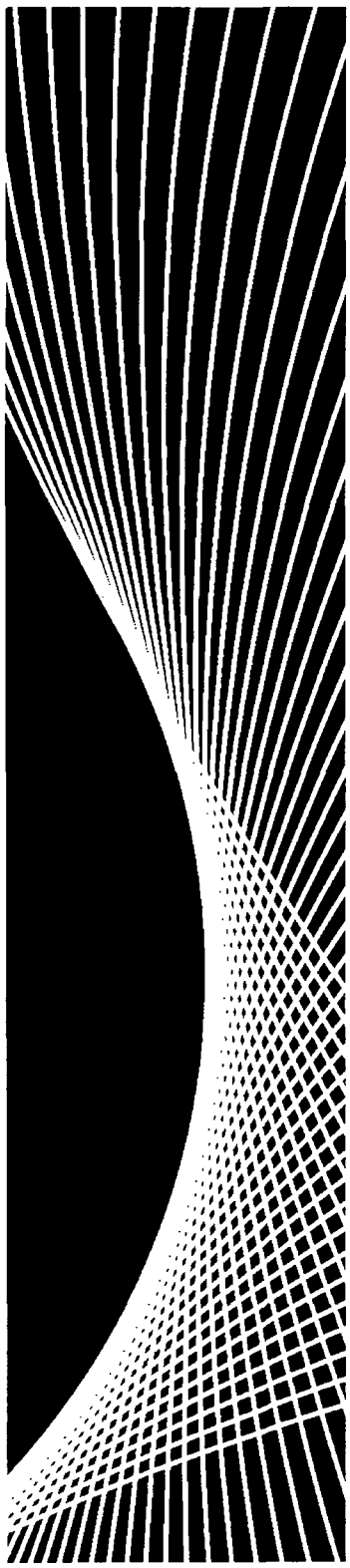
A stamped copy of the label is enclosed for your records.

ACCEPTED
with COMMENTS
In EPA Letter Dated:
APR - 8 2010
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

400-578

Net
Contents:

Blizzard®



Harvest Aid For Defoliating Cotton

Active Ingredient:	
fluthiacet-methyl*	10.30%**
Other Ingredients:	89.70%
Total:	100.00%

*CAS No.117337-19-6

**Contains 0.91 lb. fluthiacet-methyl per gallon, or 109 grams per liter.

KEEP OUT OF REACH OF CHILDREN WARNING • AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 ½ 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 ½ 20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN: Contains petroleum distillate - vomiting may cause aspiration pneumonia.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBERS	
For 24-Hour Medical Emergency Assistance (Human or Animal), Call 1-800-292-5898. For Chemical Emergency Assistance (Spill, Leak, Fire, Accident), Call CHEMTREC 1-800-424-9300. For Chemical Safety Data and Information, Call 1-866-430-2775, or check our web site at www.chemtura.com	

EPA REG. NO. 400-
EPA EST. NO.
003

Manufactured for:
Chemtura Corporation
199 Benson Road
Middlebury CT 06749



www.chemtura.com

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING • AVISO**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Harmful if swallowed or absorbed through skin. Avoid contact with skin. Remove contaminated clothing and wash before reuse. Discard clothing and/or other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: Long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, or viton ≥ 14 mils; shoes plus socks; protective eyewear (goggles or face shield). Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements: When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide **is toxic to fish and aquatic invertebrates, and to some plants at very low concentrations.** 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 wash water or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions carefully before use.

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval.

Do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 12 hours.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls; chemical resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils or viton ≥ 14 mils; shoes plus socks.

Important: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR ILLEGAL RESIDUES.

FOR USE IN COTTON DEFOLIATION

GENERAL INFORMATION

BLIZZARD® is used as a harvest aid to defoliate cotton. As with all cotton defoliants, proper application timing and coverage are critical for good performance and should be based on local Extension Service recommendations.

WHEN TO APPLY

In general, BLIZZARD should be applied **ONLY**:

1. after bolls to be harvested have matured,
2. when 60% of the bolls are open, AND
3. there are no more than four nodes between the highest first position cracked boll and the highest first position harvestable boll.

DO NOT APPLY ANY LATER THAN 3 DAYS (72 hours) PRIOR TO HARVEST. This product requires a pre-harvest interval (PHI) of 3 days.

CONDITIONS THAT AFFECT LEAF DROP

GROWING CONDITIONS	EFFECT
Favorable	Leaf drop typically 4 - 7 days after application.
Drought or other crop stress conditions	Can reduce the number of leaves dropped or increase time required for leaf drop to 9 - 14 days.
Cool Temperatures (below 55° F)	
Rank cotton with 60% or fewer open bolls.	A second application of BLIZZARD may be needed.
Rain	BLIZZARD is rainfast 1 hour after application, provided that the spray has dried on the leaf.

USE RATES FOR COTTON DEFOLIATION

BLIZZARD may be applied alone or in combination with other harvest aids labeled for use on cotton.

AMOUNT OF BLIZZARD® TO APPLY	APPLICATION INTERVAL	MAXIMUM AMOUNT PER SEASON
0.5 to 0.6 fl. oz./A	If necessary, repeat application 6 - 10 days later with BLIZZARD alone or in combination with other harvest aids.	Do not apply more than 1.25 fl. oz. BLIZZARD per acre per season.

Use the higher rate only when the crop is more vigorous and robust, or when adverse conditions are expected to affect performance of this product. Such conditions include, but are not limited to, when daytime temperature is below 55°F, prolonged periods of cloudy or wet weather, or plants are under drought or other stress conditions.

MIXING INSTRUCTIONS

SPRAY ADDITIVES

An adjuvant approved for use on growing crop is required with BLIZZARD.

BLIZZARD alone

For best performance, apply BLIZZARD with:

Adjuvant / Description	Rate
Crop Oil Concentrate (COC) Petroleum or vegetable based, containing not less than 10% emulsifier.	1 pt. per acre Note: the concentration should not exceed 2.5% volume/ volume.

The following adjuvants may also be used:

Adjuvant / Description	Rate
Non-ionic Surfactant (NIS) With a minimum of 80% of the constituents effective as a spray adjuvant.	1 qt. per 100 gals. or a spray volume concentration of 0.25%
Silicone-based Surfactant	1 qt. per 100 gals. or a spray volume concentration of 0.25% or as specified on the adjuvant label.

BLIZZARD in Tank Mixtures with Other Harvest Aids

When tank mixing with other harvest aids, use the adjuvant recommended for use with the tank mix partner. Follow all restrictions and precautions on the tank mix partner's label.

APPLICATION PROCEDURES AND PRECAUTIONS

Aerial Application:

1. Use a minimum of 5 gallons of water per acre.
2. Take care to ensure that the application does not drift to non-target areas.

Ground Application:

1. Apply BLIZZARD in a minimum of 10 gals of water per acre at 20 to 40 psi pressure at the nozzles.
2. Use a pump with enough capacity to maintain a rippling or rolling action in the spray tank.
3. For a uniform spray mixture, agitation during mixing and application is required.

Chemigation: Do not apply this product through any type of irrigation equipment.

Spray Drift Precautions: Do not allow spray from ground equipment to drift onto adjacent land or crops. When drift may be probable, do everything possible to reduce spray drift, including:

1. Do not spray if wind speeds are gusty or become 10 mph or greater.
2. Use extreme caution when conditions favor drift (high temperatures, low relative humidity).
3. Do not apply during a temperature inversion. If an inversion is suspected, consult the local weather service before applying this product.

4. These practices can further reduce drift:

- (a) Using nozzles that provide a uniform droplet size. Use spray nozzles that provide medium-coarse droplets (250 - 400 microns VMD). Nozzles that produce extremely small droplets are more likely to cause spray drift.
- (b) Apply as close to target plants as practical while maintaining a good spray pattern for adequate coverage.

ROTATIONAL CROPS

Following harvest, any crop may be planted following cotton treated with BLIZZARD. There are no rotational crop restrictions.

Note: For rotational crop restrictions when BLIZZARD is used in tank mixtures or sequentially with other products, refer to the rotational intervals on the other product label for possible restrictions.

HOW TO MIX

1. The spray equipment must be clean before using this product. If it is contaminated with other materials, mixing problems and/or clogging may occur, or poor performance may occur.
2. Prepare no more spray mixture than is needed for the immediate application, and do not let the spray mixture stand overnight in the spray tank.
3. Maintain maximum agitation throughout the spraying operation.
4. Water-soluble packets must always be the first material put into the spray tank after water. Water-soluble packets must be completely dissolved and dispersed in **clean** water only before any other tank mix partners, including adjuvants, are added to the spray solution.

Flush the spray equipment thoroughly after each use and apply rinsate to a previously treated area.

MIXING BLIZZARD ALONE

1. Add $\frac{1}{4}$ - $\frac{1}{2}$ of the required amount of **clean** water to the spray or mixing tank.
2. With the agitator running, add the required amount of BLIZZARD to the spray tank. Continue agitation in the spray tank and allow product to fully and uniformly disperse.
3. Add the spray adjuvant and continue agitation while adding the rest of the water.
4. Maintain agitation until all of the spray mixture has been applied.

COTTON HARVEST AIDS-TANK MIX PARTNERS FOR BLIZZARD

BLIZZARD is compatible with most commonly used harvest aids. BEFORE MIXING BLIZZARD WITH OTHER REGISTERED PRODUCTS FOR ANY USE ON THIS LABEL, READ THE LABEL OF THE TANK MIX PARTNER TO BE CERTAIN IT IS LABELED FOR USE ON COTTON AND THAT USE PATTERNS ARE COMPATIBLE WITH THOSE OF BLIZZARD. When using BLIZZARD in a tank mixture with other harvest aids, follow the label limitations and precautions of the tank mix partner.

TANK MIX PARTNERS	COMMENTS
Prep™ (or other brands of ethephon)	For cotton defoliation, it is not necessary to tank-mix BLIZZARD with other harvest aids. However, at labeled boll opening rates, Prep™ (or other brands of ethephon) can be tank-mixed with BLIZZARD to accelerate opening of mature cotton bolls.
Accelerate®, CottonQuik®, Def®6, Dropp®, Dropp® Ultra, Finish®, Folex®, Ginstar®, HARVADE®-5F, or Roundup® Ultra	
Paraquat-based products (such as FIRESTORM®) or sodium chlorate.	For best results , apply desiccants after the initial BLIZZARD application.

TANK MIXING STEPS

1. Add $\frac{1}{4}$ - $\frac{1}{2}$ of the required amount of **clean** water to the spray or mixing tank.
2. With the agitator running, drop the required number of packages of any products packaged in water-soluble packets into the tank all at once. Continue agitation in the spray tank and allow the packets to completely dissolve and the contents of the packets to fully and uniformly disperse.
3. While maintaining agitation, continue filling the spray tank. When the tank is $\frac{3}{4}$ full, add any dry formulation tank mix partners and allow them to completely and uniformly disperse.
4. Add the required amount of BLIZZARD to the spray tank while maintaining agitation. After the product has completely and uniformly dispersed into the tank mix, add any other liquid tank mix partners and allow them to completely and uniformly disperse.
5. Add the proper amount of spray adjuvant and continue agitation while adding the remaining water.
6. Complete filling the tank with clean water and maintain sufficient agitation at all times to ensure surface action until the spray mixture is uniform.
7. To avoid product degradation, apply the BLIZZARD spray mixture within 48 hours of mixing, and do not leave spray in the tank without continuous agitation.
8. After use, thoroughly clean the sprayer according to this label (see **CLEANING SPRAY EQUIPMENT**) and any tank mix partner labels.

COMPATIBILITY TEST

A jar test is recommended before mixing to ensure BLIZZARD compatibility with tank mix partners and adjuvants. The following test assumes a spray volume of 25 gallons per acre. For other spray volumes, make appropriate changes in the ingredient rates.

1. Add 1.0 pint of water to each of 2 one quart jars with tight lids. **Note:** Use the same source of water and other components in the compatibility test that will actually be tank mixed and applied. It is important that all components are mixed at a temperature similar to the temperature of those used for the actual application.

2. To one of the jars, add 1/4 teaspoon (tsp.) or 1.2 milliliters of a compatibility agent approved for this use, such as Complex® or Unite® (1/4 tsp. is equivalent to 2 pt./100 gals. spray). Shake or stir gently to mix.
3. To **both** jars, add the appropriate amount of harvest aid. If more than one harvest aid is used, add them separately with dry harvest aids first, flowables next, and emulsifiable concentrates last. Finally add the appropriate amount of any adjuvants that will be used. After **each** addition, shake or stir gently to thoroughly mix. The appropriate amount of harvest aids for this test follows:

Dry Harvest Aids and Adjuvants: For each pound to be applied per acre, add 1.4 tsp. to each jar.

Liquid Harvest Aids and Adjuvants: For each pint to be applied per acre, add 0.5 tsp. or 2.5 milliliters to each jar.

4. After adding all ingredients, put lids on and tighten, and invert each jar 10 times to mix. Let the mixtures stand 15-30 minutes and look for separation, large flakes, precipitates, gels, heavy oil film on the jar, or other signs of incompatibility. Determine if a compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If mixtures are incompatible, test the following methods of improving compatibility:
 - a. slurry the dry pesticide(s) in water before addition, or
 - b. add 1/2 the compatibility agent to the water and the other 1/2 to the emulsifiable concentrate or flowable pesticide before addition to the mixture.

If incompatibility is still observed, do not use the mixture.

After compatibility testing is complete, dispose of any pesticide wastes according to the **STORAGE AND DISPOSAL** section of this label.

CLEANING SPRAY EQUIPMENT

The sprayer must be cleaned before and after use of BLIZZARD. Failure to do so may result in unsatisfactory results with BLIZZARD or injury to other crops sprayed with the equipment. Refer to the label of the product used previously or tank mixed with BLIZZARD for additional cleaning instructions.

When BLIZZARD has been used alone:

1. Fill the sprayer with clean water.
2. Add a commercial sprayer cleaner.
3. Circulate the mixture through the system.
4. Spray approximately 1/2 through the hose, boom, and nozzles to an area which has already been treated.
5. Drain the remaining solution.
6. Rinse the entire system with clean water.
7. Spray the rinsate on an area that has already been treated.

When BLIZZARD has been tank mixed: Refer to the label of the product tank mixed with BLIZZARD for cleaning instructions.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Keep container tightly closed when not in use. This product may be stored in dry, unheated facility.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Nonrefillable Container

Plastic Containers: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer container for recycling if available, reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Triple rinse as follows: For containers less than or equal to 5 gallons or 50 pounds: Empty the remaining contents into application or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Recycling: Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www.acrecycle.org.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use for 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. Crop injury, 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 the control of Chemtura Corporation or the Seller. All such risks shall be assumed by the Buyer.

To the extent allowed by applicable law, Chemtura Corporation 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 above. **Chemtura Corporation makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Chemtura Corporation or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Chemtura Corporation and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of Chemtura Corporation.

BLIZZARD®, FIRESTORM®, and HARVADE® are registered trademarks of Chemtura Corporation

Accelerate® is a registered trademark of Cerexagri, Inc.

Compex® is a registered trademark of Kalo, Inc.

CottonQuik® is a registered trademark of E.I. du Pont de Nemours and Company

DEF®, Dropp®, Finish®, Ginstar®, and Prep™ are trademarks of Bayer Corporation

Folex® is a registered trademark of AMVAC Chemical Corporation

Roundup® is a registered trademark of Monsanto Company

Unite® is a registered trademark of HACO, Inc.

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