

72992-1

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Georgia Anastasiou
Chrystal International B.V.
c/o Lewis & Harrison
122 C. Street, N.W., Suite 740
Washington, D.C. 20001

SEP 14 2010

Subject: Label Amendment to Revise Marketing Language, Directions for Use, Storage and Disposal Statement, Warranty Statement, Company Name, and Net Contents
Product Name: Chrystal AVB
EPA Reg. No: 72992-1
Decision Number: 436303

Dear Ms. Anastasiou:

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Final printed labeling means the label or labeling of the product when distributed or sold. Clearly legible reproductions or photo reductions will be accepted for unusual labels, such as those silk-screened directly onto glass or metal containers or large bags or drum labels.

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 bearing the amended labeling constitutes acceptance of these conditions. Should you have any questions regarding this action, you may contact Gina Casciano at (703) 605-0513 or via email at casciano.gina@epa.gov. A stamped copy of the label is enclosed for your records.

Sincerely,

Linda A. Hollis, Chief

Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)

		CONCURRENCES					
SYMBOL	7511P Enclosure	7511P					
SURNAME	Casciano	COLE					
DATE	9/1/10	9/2/10					

CHRYSAL AVB
[Post harvest] Conditioner for ethylene sensitive [cut] flowers
Conditioner for carnation, lily and other ethylene sensitive cut flowers
Anti-Ethylene Treatment

This product is for preventing the formation of ethylene by the flower to avoid premature shrinking or dropping of buds and blooms. It also protects flowers from external ethylene gas.

[Flower graphic]



ACCEPTED
SEP 14 2010

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for
the pesticide registered under
EPA Reg. No. 72992-1

ACTIVE INGREDIENT:
Silver Nitrate2.83%
INERT INGREDIENTS:97.17%
TOTAL100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • 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 on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT

To prevent contact, workers mixing solution and handling treated flowers must wear waterproof gloves, covering hands, wrists and lower forearms, and waterproof apron.

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment wash waters. This product is toxic to fish and aquatic invertebrates.

DIRECTIONS FOR USE

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

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Chrysal AVB is a fresh flower conditioner for use by the grower to avoid premature shrinking or dropping of buds or blooms. For use on standard spray carnation and other ethylene sensitive cut flowers: Aconitum, Alstroemeria, Antirrhinum, Aquilegia, Asclepias, Bouvardia, Brodiaea, Campanula, Chaumelaucium, Cattleya hybride, Crocösmia, Delphinium, Dendrobium, Dianthus, Dicentra, Eremurus, Euphorbia fulgens, Freesia, Gypsopila, Ixia, Kniphofia, Lathyrus, Lavatera, Lilium, Oncidium, Paphiopedilum, Phlox, Physostegia, Scabiosa, Silene, and Veronica.

The following directions must always be followed:

[For 1 Liter containers use the following directions:]

1. Mix 0.5 ml (Alstroemeria, Euphorbia fulgens) or 1 ml (other flowers) of solution per quart of water in a non-metallic container or mix and dispense Chrysal AVB using dosing system (CDU). Dosing is 1 ml per liter, set CDU at 1000 to 1 setting. Dispense into a non-metallic container. The contents of the screw cap are 1.2 US fl. oz. (35 ml).
2. Place flowers in prepared solution immediately after cutting for a minimum of 4 hours and a maximum of 72 hours. Lilies must be treated for a minimum of 4 hours and a maximum of 36 hours.
3. Prepare use-solution as needed. This solution may be used for up to one week.

[For 25 Liter containers use the following directions:]

1. Mix and dispense Chrysal AVB using Dosing Unit (CDU). Dosing is 1 ml per liter, set CDU at 1000 to 1 setting. Dispense into non-metallic container.
2. Place flowers in prepared solution immediately after cutting for a minimum of 4 hours and a maximum of 72 hours. Lilies must be treated for a minimum of 4 hours and a maximum of 36 hours.
3. Prepare use-solution as needed. This solution may be used for up to one week.

[CDU Graphic]

- Place tube (1) from bottom of CDU* (a) into liquid Chrysal concentrate.
- Thread black hose (2) onto water supply with standard threaded hose rib.
- Turn on water supply.
- Utilize hose and gun (3) for dispensing solutions.
- When finished turn off water supply.

*CDU = Chrysal Dosing Unit

STORAGE AND DISPOSAL

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

Storage: Store in a cool, dark, frost-free place in the original tightly closed container away from children and pets.

Pesticide 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 representative at the nearest EPA Regional Office for guidance.

(For containers equal to or less than 5 gallons)

Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ 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. Then offer for recycling or reconditioning, or puncture and dispose of empty bottle in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(For containers greater than 5 gallons)

Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of empty bottle in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Excess Chrysal AVB solution and rinsate can be treated to recover residual silver, when done in accordance with Federal, State and local requirements. Treatment can be accomplished with the enclosed neutralization material using the following procedure:

1. Put the residual Chrysal AVB solution in a container used exclusively for the treatment process (see pictures 1 and 2 below) The drain cock and new drain pipe should be positioned in such a way that the contents of the container can be removed without disturbing the deposit (=silver);
2. Add the contents of one sachet of Chrysal Tecitine and one sachet of Chrysal Flocculine to each 150 liters/159 quarts of residual solution and stir (see picture 3 below);
3. Leave the residual solution react with the neutralizing powder for 120 hours. A grey-black deposit will be formed at the bottom (see picture 4 below);
4. Drain off the water above the drainpipe level (see picture 5 below). Contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance on disposing of this drainage water;
5. Do not drain off the remainder of the water and silt. Send the remaining water and silt to a facility that is authorized to recycle silver (see picture 6 below).

[Pesticide Disposal Graphics]

Warranty Statement

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

Chrysal International BV warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in this label when used in accordance with directions under normal conditions of use; but to the extent consistent with applicable law this warranty of fitness for a particular purpose does not extend to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

CHRYSAI INTERNATIONAL BV SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.

[MADE] [SOLD] BY Chrysal International BV
Gooimeer 7, 1411 DD Naarden, The Netherlands

www.chrysal.com
[Product of Colombia]

EPA Registration No.: 72992-1
EPA Establishment No.:

Net Contents: (1 LITER/33.8 fl oz)
(For 1000 – 2000 liters/264-528 gal of [ready-to-use] solution)
(20 LITERS / 5.28 GALLONS)
(For 20,000 – 40,000 liters/5,280-10,560 gal of [ready-to-use] solution)
(25 LITERS/ 6.6 GALLONS)
(For 25,000 liters/6,600 gallons of [ready-to-use] solution)