



CA-110009

8/20/2014

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

AUG 20 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Margaret Reiff
Environmental Program Manager I
California Department of Pesticide Regulation
1001 I Street
Sacramento, CA 95812-4015

Subject: Registration Action Under FIFRA Section 24(c)
Use of Ethylene as a plant growth regulator for flower induction in bromeliads
EPA Special Local Need (SLN) No.: CA-110009
Your Submission Dated May 20, 2014

Dear Ms. Reiff:

This acknowledges receipt of your notification to this Agency of the subject special local need registration, pursuant to section 24(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as follows:

Product: Ethylene
EPA Registration No.: 69180-1
24(c) Registrant: California Department of Pesticide Regulation

The Biopesticides and Pollution Prevention Division has reviewed the submitted materials and determined that the subject SLN registration for the use of Ethylene as a plant growth regulator for flower induction in bromeliads is acceptable. The subject SLN registration No. CA-110009 is reinstated.

If you have questions, please contact Colin Walsh at (703) 308-0298 or walsh.colin@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert McNally".

Robert McNally, Director
Biopesticides and Pollution
Prevention Division (7511P)

Handwritten initials, possibly "for" or "RM", in black ink.

FIFRA 24(c) Special Local Need Label (SLN)

For Distribution and Use Only in the State of California.

For Flower Induction in Bromeliads

ETHYLENE

EPA REG NO. 69180-1

EPA EST. NO. 69180-TX-001

EPA SLN NO. CA-110009



C₂H₄

KEEP OUT OF REACH OF CHILDREN

DANGER

This label expires and must not be distributed or used in accordance with this SLN registration after **October 31, 2017**.

UN1962

CAS No: 74-85-1

This cylinder contains

(Circle One) 0.3, 3.0, 4.5, 11, 30, 34 LBS. OF PRODUCT

DIRECTIONS FOR USE

- It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
- This state-specific Section 24(c) label must be in the possession of the user at the time of application.
- Follow all applicable directions, restrictions, and precautions on the EPA registered label for Ethylene (EPA Reg. No. 69180-1) and this label.

Application Directions for Flower Induction in Bromeliads

Apply to developing bromeliads as water saturated gas or as ethylene bubbled through water via an aerator. Apply using agricultural sprayers, backpack sprayers, hydraulic sprays or similar type equipment.

Aeration Application

Bubble ethylene gas through water via an aerator for 5 seconds per gallon of water at 150psi. This solution can treat 250 four-inch potted bromeliads (approx. 1.3 oz of solution) or 150 six-inch (approx. 2.133 oz of solution). The treated water must be applied immediately to the crop.

Application Rates

Ethylene treated water must be applied at a rate of 0.01 to 0.05lbs ethylene/100 sqft greenhouse bench space, or 60-130 lb/acre.

In-line Application

Inject ethylene gas in-line with the water at 40-80psi (approx. 1-2lbs/100 gallons water) as it is applied through commercially available spray equipment designed for this intended use. Apply to individual plant.

Application Rates

A one second application of injected ethylene should be applied per plant. At 0.018lb ethylene/gallon of water can treat approximately 60 plants, or 40-100lbs/acre.

AIRGAS SPECIALTY GASES, INC.
2530 SEVER ROAD, SUITE 300
LAWRENCEVILLE GA 30043
303-635-7283

www.airgas.com

LABELING ACCEPTABLE

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PESTICIDE REGISTRATION

Date 5/19/14 Reviewer J. R. R. R.
Reg. No. 69180-1-2A
SLN # CA-110009