



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 69180-1	2. EPA Product Manager	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Ethylene	PM# Biochemical Pesticides Br. /BPPD	
5. Name and Address of Applicant (Include ZIP Code) Airgas Specialty Gases, Inc. 259 North Radnor-Chester Road, Suite 100 Radnor, PA 19087-5283 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

NOTIFICATION
Date Reviewed: 9/18/02
Reviewed By: D. Hudson

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

To add an Additional Brand Name, Ethylene, Compressed

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes" Unit Packaging wgt. No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must submitted		If "Yes" Package wgt. No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Katherine A. Buteau	Title Senior Regulatory Consultant	Telephone No. (include Area Code) 530-757-1050
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Senior Regulatory Consultant	
4. Typed Name Katherine A. Buteau	5. Date <u>July 23, 2002</u>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

Exposure to liquefied or pressurized gas can cause frost burns, anesthetic effects and rapid suffocation. Do not get in eyes or on skin. Wear long sleeve shirt, long pants, boots, goggles and chemical resistant gloves while handling cylinders or any application equipment under pressure. Harmful if inhaled. Avoid breathing vapors. Do not enter unventilated treatment areas unless wearing a respirator approved by NIOSH/MSHA.

PHYSICAL OR CHEMICAL HAZARDS

EXTREMELY FLAMMABLE. Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. To avoid bursting, do not expose container to temperatures above 125°F (52°C). Use equipment rated for cylinder pressure. CAN FORM EXPLOSIVE MIXTURES WITH AIR.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Use only in accordance with this label and Airgas' MATERIAL SAFETY DATA SHEET. Close valve tightly and replace cylinder cap when not in use and when empty.

STORAGE AND DISPOSAL

STORAGE: Store in a cool, well ventilated area with valve closed and cylinder cap in place. Isolate cylinders from combustible or oxidizing materials. Outside or detached storage is preferred. Store cylinders in an upright position and firmly secured. In case of product leakage call the Airgas emergency number.

(800) 949-7937

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. With the valve closed and the cylinder cap in place, return all unused or residual product to the supplier for proper disposal.

CONTAINER DISPOSAL: Return empty cylinder to supplier for reuse.

80037 (7/02)

**ETHYLENE,
COMPRESSED**

UN1962



C₂H₄

CAS No. 74-85-1

PLANT GROWTH REGULATOR

ETHYLENE	98.5%
INERT INGREDIENTS	1.5%
TOTAL	100.0%

THIS CYLINDER CONTAINS

(CIRCLE ONE) 0.3, 3.0, 4.5, 11, 30, 34, LBS.

OF PRODUCT

**KEEP OUT OF REACH OF CHILDREN
DANGER**

FIRST AID

IF INHALED:

- 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.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 - 20 minutes.
- Call a poison control center or doctor for further treatment advice.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 - 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.

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

DO NOT REMOVE THIS LABEL

EPA REG. NO. 69180-1
EPA EST. NO. 69180-TX-001
AIRGAS SPECIALTY GASES, INC.
RADNOR, PA 19087-5283
www.airgas.com

**ETHYLENE FOR RIPENING
DEGREENING**

The produce for which ethylene has been used as a ripening or degreening agent are listed below along with the optimum concentrations of ethylene required

PRODUCE	CONCENTRATION OF ETHYLENE (PPM)
Banana	100-150
Citrus Fruit (Orange, Grapefruit)	1-10
Honeydew Melon	100-150
Avocado	10-100
Pear	10-100
Kiwi Fruit	10-100
Mango	100-150
Stone Fruit (Nectarine, Peach, Plum)	10-100
Tomato	100-150

Ethylene for fruit ripening is best used in commercially available ripening rooms. These rooms are usually gas tight, have systems for controlling humidity and concentrations of ethylene and carbon dioxide, and have equipment to control product temperature. The optimum temperature and duration of treatment vary slightly for each produce but are generally between 65 to 80°F and 24 to 48 hours. In addition, maintain the relative humidity between 85 and 95%.

The following formula is an example of how to determine the volume of gas required for a particular ripening room:

$$\frac{\text{Size of room in cubic feet} \times \text{Desired ppm}}{1,000,000} =$$

cubic feet of gas required.

A room having a volume of 1,000 cubic feet where a concentration of 100 ppm is desired would require 0.1 cubic foot of ethylene.

Measure by volume the amount of gas discharged from the cylinder by using a flow meter to measure the flow rate (in cubic feet/hour).

NOTIFICATION

Date Reviewed: 9/18/02

2/2

1530757-299

9-16-02; 10:41AM; Technology Sciences

(TEXAS) THIS IS ACTUAL SIZE. THE SMALLEST TYPE SIZE ON THIS IS 6.5 PT, MAIN BODY OF TEXT IS 8 PT.