

11190
47893-4
ACCEPTED
9/7/95 Doc. #7386
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 47893-4

**LIVINGSTON'S
BAN-GAS™
FOR RIPENING and/or DEGREENING
BANANAS**

ACTIVE INGREDIENT: ETHYLENE.....6.30%
INERT INGREDIENT: CARBON DIOXIDE...93.70%
TOTAL.....100.00%

NON-FLAMMABLE GAS

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENTS OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water. Call a physician.
IF ON SKIN: Flush with plenty of soap and water. Get medical attention.
IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

SEE SIDE PANEL FOR PRECAUTIONARY STATEMENTS

A PRODUCT & TECHNOLOGY OF:
LIVINGSTON CHEMICALS, INC.

[INSERT LOGO]

P.O. Box 5799
VIRGINIA BEACH, VIRGINIA 23455
Telephone: 804-460-3115
Fax: 804-460-0391

**EPA REG. No. 47893-4
EPA EST. No. 67577-TX-001**

**NET CONTENTS
60 Pounds**

**MANUFACTURED BY:
AIRGAS**

**[INSERT LOGO]
SPECIALTY PRODUCTS & EQUIPMENT
12275 ROBIN BLVD.
HOUSTON, TEXAS 77045**

[CENTER PANEL OF LABEL]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

HIGH PRESSURE LIQUID AND GAS MIXTURE.
HARMFUL IF INHALED. CAN CAUSE RAPID SUFFOCATION.
MAY CAUSE FROSTBITE. CAN INCREASE RESPIRATION AND
HEART RATE. MAY CAUSE NERVOUS SYSTEM DAMAGE.
MAY CAUSE DIZZINESS AND DROWSINESS.

Liquefied or pressurized gas can cause frost burns. Do not get in eyes or on skin. Wear long-sleeved 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 for this use.

PHYSICAL OR CHEMICAL HAZARDS:

Contents under pressure. Do not store near heat or open flame. Do not puncture or incinerate container. Use with equipment rated for cylinder pressure. Close valve when not in use and when empty. Cylinder temperature should not exceed 125°F (52°C). Exposure to temperatures above 130°F may cause bursting.

NOTE: Reverse flow into cylinder may cause rupture. Always use a back flow preventative device in piping.

LEAK: Evacuate area and keep personnel upwind. Use self-contained breathing apparatus and protective clothing, and shut off leak if without risk.

IN CASE OF EMERGENCY: Call Chemtrec (1-800-424-9300)

FOR AGRICULTURAL USE ONLY.

NOTE:

When cylinder pressure gauge reads 400 pounds or less, replace cylinder with a new cylinder of LIVINGSTON'S BAN-GAS™.

STORAGE AND DISPOSAL:

Store and use with adequate ventilation. Cylinders should be stored in a well ventilated area. Return cylinders to supplier when emptied for refilling.

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DIRECTIONS FOR USE:

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

CAN CAUSE RAPID SUFFOCATION DUE TO OXYGEN DEFICIENCY. Store and use with adequate ventilation. Do not enter places where used until adequately ventilated. Use with equipment rated for cylinder pressure. Keep valve closed when not in use and when empty. In case of spill or leak, shut off leak, if without risk. Move leaking assembly to ventilated area, if without risk, or ventilate area of leak. If exposed to fire, move cylinder away from fire, if without risk. Otherwise, cool cylinder with water spray. The contents are nonflammable. Use only in accordance with directions given on this label.

GENERAL PRECAUTIONS:

Cylinders should be stored in a well-ventilated area. Do not enter places where used until adequately ventilated. Can cause rapid suffocation due to oxygen deficiency.

Use any metal connections and piping capable of withstanding a working pressure of 2,000 pounds per square inch.

CYLINDERS MUST BE SECURED IN AN UPRIGHT POSITION WHEN DISCHARGING.
CYLINDER VALVE OUTLET CONNECTION "CGA 320" (Right-Hand Thread). USE A SPECIAL BAN-GAS REGULATOR.

TO RIPEN OR DEGREEN BANANAS:

Before starting treatment, it is necessary to determine the cubic contents of the room by multiplying the length by width by height. No allowance is made for the space occupied by the fruit. For instance, a room 20 feet long, 15 feet wide, and 10 feet high contains 3,000 cubic feet.

LIVINGSTON'S BAN-GAS™ is introduced into the room in accurately measured quantities at regular intervals of time. The gas should be conducted from the cylinder through a regulator with a flow meter calibrated for measuring flow in cubic feet per hour of **LIVINGSTON'S BAN-GAS™**. The gas then flows to the treating rooms through metal pipes.

BANANAS - Each application should use a flow rate of 0.8 cubic feet per hour of **LIVINGSTON'S BAN-GAS™** for a 3,000 cubic foot room. For each additional 1,000 cubic feet of space, increase the flow by 0.2 cubic feet per hour. Optimum flow rate should be determined by the banana jobber based on trial and error with allowances being made for whether the room is airtight or leaking. Exposure time is 24 hours. Maintain banana pulp temperature in the range of 60° to 62°F. Vigorous air circulation with ethylene concentrations in the range of 100 to 1,000 parts per million (PPM) is essential for even ripening.

WARRANTY

Seller makes no warranty, express or implied, concerning the use of this product other than as indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

COMPRESSED
GAS N.O.S.
(ETHYLENE,
CARBON DIOXIDE)
UN 1956



DOT/IMO SHIPPING NAME: COMPRESSED GAS, N.O.S. CGA-420
(ETHYLENE, CARBON DIOXIDE, U.N. 1956)

LIVINGSTON'S BAN-
BANANA RIPENING OR DEGREENING

ACTIVE INGREDIENT-ETHYLENE
6.3%
INERT INGREDIENT-CARBON DIOXIDE
93.7%
NET CONTENTS-60 LBS. (27.2 KG)

BEFORE USING PRODUCT, READ EPA LABEL
LIVINGSTON'S

ALL COPY-BLACK
DIAMOND-D O.T. GREEN
BAND ACROSS BOTTOM-BEIGE PMS 466