

8853-2, PM-32
1/3

JUL 26 1986

Hendrix and Dail, Inc.
P.O. Box 648
Greenville, NC 27835-0648

Gentlemen:

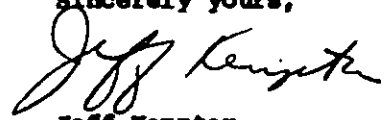
Subject: MBC Concentrate Soil Fumigant
EPA Registration No. 8853-2
Your Amendment Application Dated April 22, 1986

The labeling for the application referred to above, submitted in connection with your application for amended registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended is acceptable since you have agreed that you will 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.

If the conditions of this amendment are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of the Act.

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

Sincerely yours,



Jeff Kempter
Acting Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)

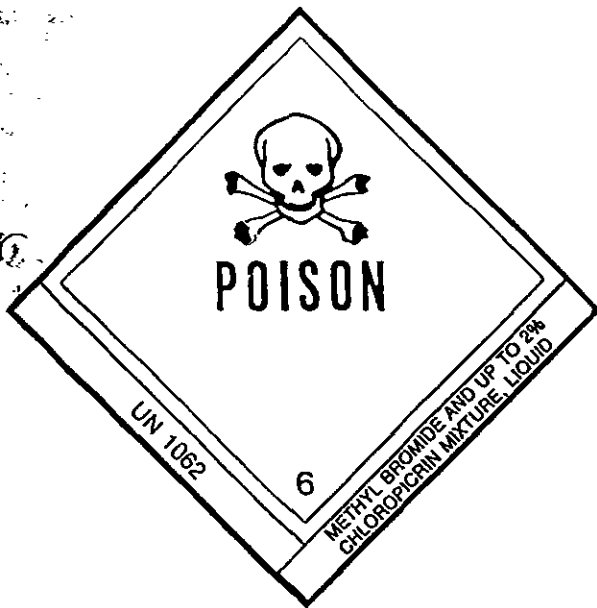
Enclosure

89919:Jenkins:C.Disk:KENCO:7/15/86:dej:VO

CONCURRENCES

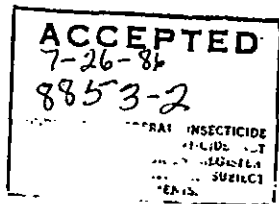
CONCURRENCES								
SYMBOL ▶								
SURNAME ▶								
DATE ▶								

MBC SOIL FUMIGANT CONCENTRATE



STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.
STORAGE: Store upright in a cool well ventilated place away from dwellings. Do not remove cylinder safety caps until product is to be used.
DISPOSAL: Close valve by turning clockwise until hand tight. Disconnect lines and replace safety caps and bonnet. Return empty cylinders to HENDRIX AND DAIL, INC., location from which shipment was made. Return partial cylinders only after consulting HENDRIX AND DAIL, INC. for proper shipping instructions.



HD 4-86

Active Ingredients	100%
Methyl Bromide	98%
Chloropicrin	2%

A preplant soil fumigant for the control of nematodes, insects, and weeds in plant beds, nurseries and certain field crop areas. Typical nematodes controlled are root knot, lesion, dagger, stunt, spiral, cyst formers, sting pin, and certain other species. Such insects as wireworm and white grubs present in the soil at time of treatment are also controlled. Examples of weeds that are controlled include chickweed, pigweed, crabgrass, goosegrass, crowfoot grass, barnyard grass, purslane, and many other broadleaved weeds and grasses. MBC Concentrate soil fumigant will give excellent performance in forest tree, ornamental shrub and turf nurseries: Turf Renovation: Lawns, parks, golf greens, athletic fields and other ornamental and recreational turf areas in annual and perennial flower, forest tree, tobacco, strawberry, broccoli, cauliflower, eggplants, peppers, tomatoes, and ornamental plant beds for the production of transplants as well as in other soil where strawberries and tomatoes are grown as food crops. Do not use more than 245 lbs. of MBC Concentrate per acre on all soils to be used for strawberries and tomatoes grown as food crops.

DIRECTIONS FOR APPLICATION AND PLANTING

WHEN TO TREAT: Treatments can be made in the spring, summer, or fall whenever soil conditions are suitable. In northern states, late summer or early fall treatments are best for land to be planted to early spring crops.

SOIL PREPARATION: To facilitate fumigant penetration, crop residues should be worked into soil and allowed time to decompose before treating. Soil must be in good workable seed bed condition warm (50-80 degrees F. at the five-inch level) with adequate moisture for good seed germination. Do not treat if the soil temperature is below 45 degrees F. at the five-inch level. Deep tillage, 12 to 18 inches, often improves results, especially in heavy or muck soils.

APPLICATION: Apply at the rate of 250 to 350 lbs. per acre with a special chisel-type applicator to inject MBC Concentrate soil fumigant about 2 inches into the soil. Due to the volatility of this fumigant, treated areas must be covered with polyethylene film as soon as possible, preferably within 1 minute of fumigant application. The film may be laid manually or mechanically with a tarp-layer.

EXPOSURE PERIOD AFTER APPLICATION

For soil temperatures above 60 degrees F., leave the treated soil covered with the plastic film for at least 24 hours before removal to ensure maximum diffusion. For soil temperature below 60 degrees F., extend the exposure period to 2 days for optimum results.

METHYL BROMIDE — CHLOROPICRIN MIXTURE, LIQUID
 WEIGHT: 14 POUNDS PER GALLON



HENDRIX and DAIL, Inc.

TELEPHONE (919) 758-4263

803 INDUSTRIAL BLVD.

GREENVILLE, NORTH CAROLINA 27834

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

PRECAUCION AL USUARIO

Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

DANGER:
KEEP OUT OF REACH OF CHILDREN
PELIGRO:
READ COMPLETE PRECAUTIONS ON SIDE PANEL

WHEN TO PLANT AFTER THE EXPOSURE PERIOD

Crops can usually be seeded 2 to 3 days after the cover is removed. For transplants, aerate for 7 to 10 days. If rains or low temperatures (below 60 degrees F.) occur during aeration, extend the aeration period. For tomato and strawberry transplants, aerate 2 weeks.

USE PRECAUTIONS

NOTE CAREFULLY: Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to occur when heavy rates of fertilizer and fumigant are applied to soils that are either cold, wet, acid, or high in organic matter. To avoid injury to plant, fertilize as indicated by plant nutrient test made after fumigation. To avoid ammonia injury or nitrate starvation, or both, to crops, avoid using fertilizers containing ammonium salts and use any fertilizers containing nitrate nitrogen until after the crop is well established and the soil temperature is above 65 degrees F. Certain crops are tolerant to ammonia therefore the above rule does not apply to them. Liming highly acid soils before fumigation stimulates nitrification and reduces the possibility of ammonia toxicity.

Do not contaminate fumigated areas by walking from unfumigated to fumigated soil. If the treated area is in a location where flooding or washing is possible after rains, plow a furrow or make a trench around it for proper drainage. Wooden frames around the beds are also satisfactory for preventing this type of contamination.

MBC Concentrate soil fumigant is toxic to plants; therefore, do not apply to areas containing roots of desirable vegetation. The edge of the cover should be at least 13 inches beyond foliage drip line of living plants.

Some difficulty has been experienced through the use of MBC Concentrate on soil planted to the following crops: conifers, salvia snapdragons, carnations, multiflora roses, Burford's Chinese holly, as well as certain other plants. Fumigate on a small scale until safety to all plants is determined under growing conditions.

Avoid reinfestation of treated soil. Do not use transplants, tools, or crop remains infested with soil-borne plant parasitic pests and weed seeds. Clear applicator carefully before and after use.

Do not use containers or application equipment made of aluminum magnesium or their alloys, as under certain conditions MBC Concentrate soil fumigant may be severely corrosive to such metals.

Store MBC Concentrate soil fumigant in tightly closed cylinders and empty cylinders in a cool open shelter away from dwellings and out of the reach of children. Empty cylinders are to be returned to vendor.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, expressed or implied, extends 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.

**To Control Many Weeds, Grasses,
Nematodes And Insect Pests
In Plant Beds, Turf Areas, Fields,
And Nurseries**

DANGER - PELIGRO

Hazards to Humans

Extremely hazardous liquid and vapor under pressure. Inhalation may be fatal or cause serious acute illness or delayed lung, nerve or brain injury. Do not breathe vapor. Liquid or vapor can cause serious skin or eye injury which may have a delayed onset. Do not get liquid on skin, in eyes or on clothing.

This product contains chloropicrin as a warning odorant. Chloropicrin may be irritating to the upper respiratory tract, and even at low levels can cause painful irritation to the eyes, producing tearing. If these symptoms occur, leave the fumigation area immediately.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately remove all contaminated skin covering, including shoes, clothing, adhesive or other bandage and wristwatches. Do not re-use shoes or clothing until free from all contamination. Wash skin thoroughly with soap and water, and flush eyes with water for at least 15 minutes. If irritation or blisters develop, get medical attention.



SEND FOR A DOCTOR IMMEDIATELY IN CASE OF ACCIDENT

ANTIDOTE: Place patient in fresh air, face downward, with head slightly below level of lungs. Keep warm. Give artificial respiration if breathing has stopped. Oxygen inhalation and stimulants of caffeine at doctor's discretion.

**DO NOT SPILL OR DISCHARGE CONTENTS OUTSIDE GROUND COVER
KEEP CHILDREN AND ANIMALS AWAY FROM PLOTS
UNDER TREATMENT**



HENDRIX and DAIL, Inc.
GREENVILLE, NORTH CAROLINA 27634

NET CONTENTS: 200 Pounds

E.P.A. REGISTRATION No. 8853-2
E.P.A. est. 8853-GA-1
8853-IN-1
8853-NC-1