FILE

JAN 16 1992

Mr. Jack L. Prieur AMVAC Chemical Corp. 4100 East Washington Blvd. Los Angeles, CA 90023

Dear Mr. Prieur:

Subject: Metam-Sodium Label Amendments

Metam Sodium

EPA Registration No. 5481-350

Metam Sodium Soil Fumigant For All Crops

EPA Registration No. 5481-418

AMVAC Metam

EPA Registration No. 5481-420

Your Applications of December 5, 1991

Labeling you submitted pursuant to the agreement signed by the Metam-Sodium Task Force and the United States Environmental Protection Agency (EPA) has been reviewed and found to be acceptable with the following comments:

For products, Metam Sodium, EPA Registration No.5481-350, and Metam Sodium Soil Fumigant for All Crops, EPA Registration No. 5481-418, make the following label changes.

- 1. For both the label and in the booklet, under Environmental Hazards, change the second sentence to read "Do not contaminate water when disposing of equipment washwaters."
- 2. Under the Precautionary Statements Section C, <u>insert</u> the words, "monitoring application equipment" between "ground application equipment" and "or entering treated fields".

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For product, AMVAC Metam, EPA Registration No. 5481-420, make the following label changes.

- 1. Same comments as outlined for item #1 above.
- 2. Since the label uses do not include chemigation as an application method for the small area use product, delete references to chemigation in the Protective Clothing and Equipment Section.
- 3. Under "Protective Clothing and Equipment Requirements", in paragraphs 1a and 3a, capitalize and underline "fittested".
- 4. Under "Reentry and Worker Safety Statement, in the third sentence, delete "as described in the Protective Clothing Statement on this label" and add "(chemical resistant footwear and body covering with long sleeves and long pants; a respirator if odor is detected and chemical resistant gloves if direct contact with the product is involved)."
- 5. Under General Instructions, clarify item i. Posting is the only required for non-tarped areas.
- 6. Under "Prevention of root graft----", change to read "Drill holes in soil approximately----".
- 7. Under "Treatment of Potting Soils", assure that the dosage rate under "cement mixer" is correct. It would seem that rates for both shredder and cement mixer would be equivalent. Previously accepted labels for similar products recommend 1 fl. oz. per 2 cu. ft. for both methods.

Submit five (5) copies of the final printed label.

If you have any questions regarding this matter, please contact me or Sidney Jackson at (703) 305-7610.

Sincerely yours,

Susan T. Lewis

Product Manager (21)

Cal Siege for

Fungicide-Herbicide Branch

Registration Division (H7505C)

RESTRICTED USE PESTICIDE

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

AMVAC METAN

A SOIL FUMIGANT SOLUTION FOR POTTING and PLANTING SOILS and FOR SMALL AREAS - TO CONTROL SOIL-BORNE PESTS THAT ATTACK ORNAMENTALS, FOOD AND FIBER CROPS.

MAY BE APPLIED BY SPRINKLER CAN, LIQUID FERTILIZER HOSE-END SPRAYER OF HOSE PROPORTIONER, SOIL INJECTION OR ROTARY TILLER

Controls Weeds such as Annual Bluegrass, Bermudagrass, Chickweed, Dandelion, Ragweed, Henbit, Lambsquarter, Amaranthus sp., Watergrass, Johnson Grass, Nutgrass, Wild Morning-glory and Purslane. Nematodes and Symphylids

Soil-Borne diseases such as Rhyzoctonia, Pythium, Phytophthora, Verticillium, Scierotinia, Oak Root Fungus and Club Root of Crucifers.

ACTIVE INGREDIENT: Sodium methylditiniocarbamate(anhydrous) INERT-INGREDIENTS: - - -

67.3% TOTAL 100.0%

32.7%

Contains 3 18 lbs. Active Ingredient METAM SODIUM per gallon

to EP KEEP OUT OF REACH OF CHILDREN **WARNING**

UPRECITO ON ALLUSUARIO: Si justed no lee ingles, no use este producto hasta que la etiqueta haya mend Restatement of PRACTICAL TREATMENT

immediately start the procedures below and contact a Poison Control Center, a physician or the nearest hospital. Describe the type and extent of exposure, the victim's symptoms, and follow the advice given. IF ON SKIN Immediately flush skin with large amounts of running water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. IF IN EYES: Immediately flush eyes with large amounts of water for at lenst 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately IF INHALED: Remove to fresh air. If not breathing, clear the victims airway and start mouth to mouth artificial respiration, if breathing is difficult, give oxygen preferably with a physicians advice. Get medical attention immediately. IF SWALLOWED Immediately give several glasses of water but do not induce vomiting. If vomiting occurs, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

- PRECAUTIONARY STATEMENT -HAZAROS TO HUMANS AND DOMESTIC ANIMALS

WARNING Harmful if innaled or awallowed, irritating to eyes, nose, throat and skin. Avoid breathing vapors or spray mist. Do nixt get in eyes, on skin, or clothing. Causes skin irritation, whay be fatal if absorbed through the skin. In case of contact, immediately remove contaminated clothing. Wash and dry clothing before use. Keep children & pets out of treated areas until treatment is completed and pesticide has dissipated PROTECTIVE CLOTHING AND EQUIPMENT REQUIREMENTS

The following protective clothing and equipment are required to be used by persons actually engaged in carrying out any operations that are likely to involve direct contact with Metam Sodium including miningmemqiuge prince nortacilibrations or adjustments, clean up and repair of replication equipment (equipment includes, but is not restricted to chemigation equipment, shanks, tiliers, drop lines, and holding tanks); sampling, clean up of spills, fumigant transfer; and rinsate disposal, or by any other person engaging in activities likely to result in direct contact with the product. This protective equipment must also be used for any operations that are done within 6 feet of unshielded, pressurized hoses containing Metam Sodium.

- a. A property fit tested NIOSH- or MSHA approved half-face respirator with organic vapor cartridge plus non-venting chemical goggles, or a NIOSH- or MSHA -approved full-face respirator with organic vapor cartridges. b Body covering that has long sleeves and long pants. When a closed system is not used, mixers and loaders in its also wear chemical resistant apron or cloth coveralls. c. Chemical resistant gloves and boots
- 2. The following protective clothing must be worn at all times by persons operating or monitoring application equipment or entering treated fields within 48 hours after completion of application

a. Chemical resistant footwear.

with Co

b Body covering that has long sleeves and long pants

- 3 The following protective clothing and equipment must be immediately available at all times for use by persons operating tractor drawn ground application equipment or monitoring application equipment, or entering treated fields within 48 hours after completion of application
- a. A property fit tested NIOSH- or MSHA- approved half-face respirator with organic vapor cartridge plus non-venting chemical googles, or a NIOSH- or MSHA approved full-face respirator with organic vapor cartridges. This equipment must be worn when the pungent, rotten egg odor of Metam Sodium is detected. Chemical resistant gloves. These must be worn when a person is engaged in carrying out any operation. that is likely to involve direct contact with the product, including those operations listed in the preceding peragraph No. 1 above. (SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS)

ENVIRONMENTAL HAZARDS

This product is toruc to fish. Do not apply directly to water, to areas w surface water is present or to intertidal areas below the mean high v mark. Do not apply where runoff is likely to occur. Do not contami water by cleaning equipment or when disposing of equipment was ters. Apply this product only as specified on this label.

DIRECTIONS FOR USE: It is a violation of Federal law to use this pro in a manner inconsistent with its labeling. Do not apply this pro

through any imigation system.

REENTRY AND WORKER SAFETY STATEMENT

Do not apply this product in such a manner as to directly or through expose workers or other persons. The area being treated must be vac by unprotected person. Do not enter treated areas for 48 hours application unless protective clothing is worn as described in the i TECTIVE CLOTHING STATEMENT on this label. Because certain S may require more restrictive reentry intervals consult your State De ment of Agriculture for further information.

Written or oral warning must be give to workers and persons who expected to be in treated areas or in an area to be treated with this pro (Indicate specific oral warnings which inform workers and persor areas that may not be entered without specific protective clothing, p of time area must be vacated and appropriate actions to take in ca accidental exposure.) When oral warnings are given, warnings shi given in a language customarily understood by the workers or per Oral warnings must be give if there is a reason to believe that w warnings cannot be understood. Written warnings must include following information

WARNING. Area treated with Metam Sodium on Date! not enter without appropriate protective clothing for 48 hours after cation. In case of accidental exposure see STATEMENT OF PRACT TREATMENT found on the Metam Sodium label. Posting also is requ Consult your State Department of Agriculture for further information

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. STOR Store product in a cool, dry, locked place out of reach of children. D store below 00 F. Product crystallizes at lower temperatures. If exp. warm or store at higher temperatures and mix to redissoive crystal Lassure uniformity before use. PESTICIDE DISPOSAL: Pesticide w are toxic. Improper disposal of excess pesticide, spray mixture, or n is a violation of Federal law. If these wastes cannot be disposaccording to label instructions, contact your State Pesticide or En mental Control Agency, or the Hazardous Waste Representative is nearest EPA regional office for guidance CONTAINER DISPO (METAL) Triple rinse or equivalent. Then offer for recycling or recond ing, or puncture and dispose of in a sanitary landfill, or by other p dures approved by State and local authorities. (PLASTIC) Triple rif i requivalent. Puncture and dispose of in a sanitary landfill, or by incition, or if allowed by State and local authorities by burning. If burried

GENERAL INSTRUCTIONS Before applying this product always oughly cultivate the area to be treated, breaking up clods and to be soil deeply and thoroughly a week before treatment, moisten soil cultivation to the desired depth. If the soil has crusted, cultivated immediately before application.

Then: a. Lightly sprinkle with water the area to be treated before ap-Metam Sodium, b. Apply Metam Sodium uniformly over the art immediately sprinkle treated area with water to seal the soil. Sprin point of run-off. NOTE: DO NOT ALLOW WATER TO RUN-OF TREATED AREA AS PLANTS IN ADJOINING AREAS MAY BE DAMA d. Immulately cover treated areas with a plastic tarp. e. Weight th down around the edges to prevent wind or inadvertant removal of NOTE: WEIGHTS MUST BE HEAVY ENOUGH TO DETER ANIMALS CHILDREN f. Do not remove tarp for 48 hours, g. Seven days treatment cultivate area to a depth of 2 inches to senate the soil. 1. [seed earlier than 21 days after application. i, Posting is required REENTRY AND WORKER SAFETY STATEMENT on this label

IMPORTANTI - TARPING IS REQUIRED WHEN USING METAM !! NEAR (1/2 MILE) TO POPULATED AREAS such as schools, hos commercial or office buildings, factories, residential areas, etusing Metam Sodium in Seed Beds, Potting/Planting Soils, Plant Lawns and other small planting area uses. TARPING IS NOT ROUIRED IF TREATMENT IS: MADE FURTHER:

1/2 MILE FROM POPULATED AREAS