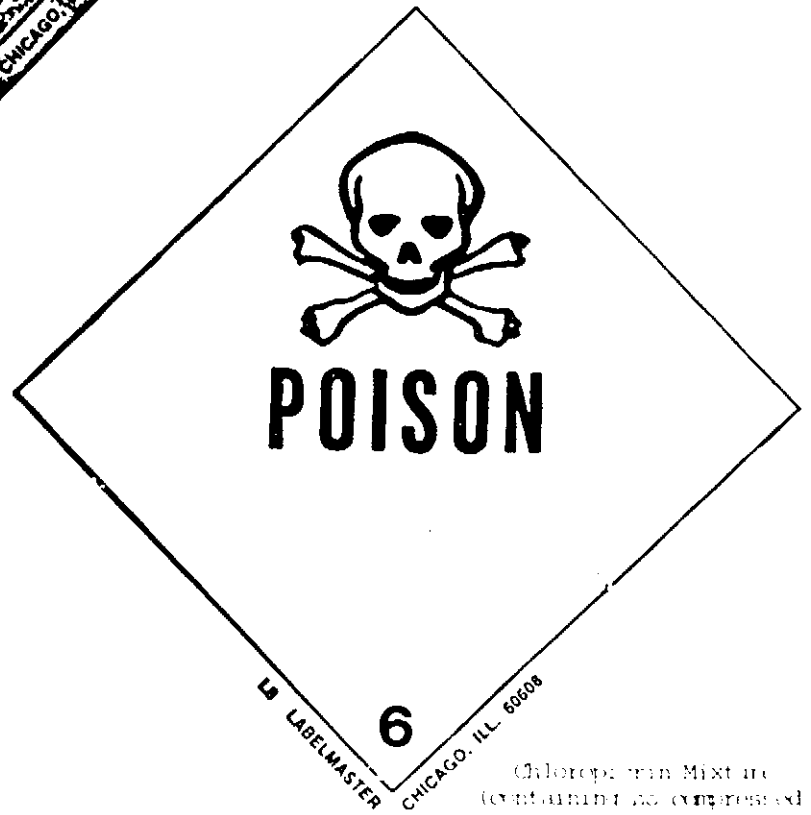




PM 21 1068  
5785-27

ACCEPTED  
OCT 30 1984  
Under the Federal Insecticide, and Rodenticide Act, and the Federal Food, Drug, and Cosmetic Act, as amended, for the...  
Registered under EPA Reg. No. 5785-27



Chloroform Mixture  
(containing no compressed gas or poison A liquid)  
UN 1583

STATEMENT OF WARRANTY AND LIABILITY

Labelmaster, Inc. warrants that the information on this label is true and correct. Labelmaster, Inc. does not warrant the safety or effectiveness of the use of the product. Labelmaster, Inc. is not responsible for any damage or injury resulting from the use of the product. Labelmaster, Inc. is not responsible for any damage or injury resulting from the use of the product.

**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.

TERR-O-CIDE® 55-D

A LIQUID SOIL FUMIGANT FOR PREPLANT TREATMENT OF  
CROP LANDS TO CONTROL PLANT PARASITIC NEMATODES AND  
CERTAIN OTHER SOIL PESTS

ACTIVE INGREDIENTS:

Chloropicrin. . . . .	55%
1,3-Dichloropropene . . . . .	40%

INERT INGREDIENTS. . . . .	5%
	100%

DANGER

KEEP OUT OF REACH OF CHILDREN.

POISON

STATEMENT OF PRACTICAL TREATMENT

If Inhaled: Move victim to fresh air. Keep victim lying down and warm. Administer artificial respiration if breathing has stopped. Administer oxygen if breathing is difficult. Call a physician at once.

Skin Contact: Remove all contaminated clothing and shoes immediately. Immediately wash exposed areas thoroughly with water for at least 15 minutes. Call a physician. If water is not immediately available, remove excess chemical from contaminated skin with sorbent material such as towel or dry soil. Then proceed at once to location where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention promptly.

If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

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CENTER PANEL  
PAGE TWO

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 5785-27  
EPA EST. NO. 5785-AR-01

NET WEIGHT: \_\_\_\_\_

LOT NO.: \_\_\_\_\_

GREAT LAKES CHEMICAL CORPORATION  
WEST LAFAYETTE, INDIANA 47906

1/28/8

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS  
DANGER

HAZARDOUS LIQUID AND VAPOR. MAY BE FATAL IF INHALED, ABSORBED THROUGH SKIN, OR SWALLOWED. CAUSES BURNS OF SKIN OR EYES. MAY PRODUCE KIDNEY AND LIVER DAMAGE UPON PROLONGED EXPOSURE.

Do Not Breathe Vapor. Do Not Get in Eyes, on Skin, or Clothing. Do Not Take Internally. Use Only With Adequate Ventilation. Wear Eye and Skin Protection Necessary to Prevent Contact When Handling Terr-O-Cide 55-D. Wash Thoroughly After Handling and Before Eating or Smoking.

If protective gear, such as boots or gloves, becomes contaminated, immediately wash with soap and water. Never wear protective gear having the odor of 1,3-Dichloropropene. Aerate and wash all protective gear thoroughly after use until all odor is gone. Render unusable and dispose of contaminated leather goods, including shoes.

HANDLING PRECAUTIONS

DO NOT INHALE VAPORS: NIOSH- or MSHA-approved respiratory protection should be worn when Terr-O-Cide 55-D is exposed to the atmosphere or when conducting operations which vent to the atmosphere. A NIOSH- or MSHA-approved full-face respirator shall be used during small spills, repairs, calibrations, transfers, sampling and when working in poorly ventilated areas. When in use, canister or cartridges shall be replaced daily or sooner if specified by manufacturer or at first sign of odor breakthrough, whichever comes first. NIOSH-approved cartridges, such as Weish 7400-IL will be adequate for short-term situations such as listed above.

Where very high concentrations of vapors might be expected (such as large spills in poorly ventilated areas) a self-contained or air-supplied respirator should be used.

DO NOT GET ON SKIN: When handling or working with Terr-O-Cide 55-D, wear clean body covering including gloves and heavy footwear. Immediately remove contaminated coverings. Aerate and wash all protective clothing and gear thoroughly after use.

There are no protective clothing materials that are completely impervious. Rubber, vinyl protective gear, thin layers of polyethylene (minimum 1 mil), give short-term protection and shall be immediately discarded upon contamination. Heavy (3 + mil) polyethylene, rubber, and neoprene provide longer term protection. Leather gives no protection. If gear becomes contaminated, immediately wash with soap and water. Never wear protective gear having odor of Terr-O-Cide 55-D. Wash and aerate all protective gear thoroughly after use until all odor is gone.

RIGHT PANEL  
PAGE TWO

DO NOT GET IN EYES: Wear eye protection such as chemical worker's goggles or full-face respirator when handling Terr-O-Cide 55-D.

DO NOT SWALLOW: Do not use the mouth to siphon product from containers or to blow out clogged lines, nozzles, etc.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

Following soil fumigation, undesirable concentrations of chloropicrin may drift to nearby areas. If this occurs, immediately recover the treated area with a plastic tarpaulin. Leave tarpaulin on overnight and remove during the daytime. Recover the area if eye irritation indicates that the undesirable concentration is continuing. These concentrations are most likely to occur in the evening or at night when the air is most likely to be static in movement. Do not make application of Terr-O-Cide 55-D when there is little or no air movement or there is an inversion condition in the atmosphere. Do not allow Terr-O-Cide 55-D vapors to come into contact with any desirable living plant.

#### PHYSICAL AND CHEMICAL HAZARDS

COMBUSTIBLE. DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME. DO NOT CUT OR WELD CONTAINER.

Terr-O-Cide 55-D is corrosive under certain conditions. Flush all applicators with fuel oil or kerosene immediately after use. DO NOT USE WATER. DO NOT USE CONTAINERS, PUMPS, OR OTHER TRANSFER EQUIPMENT MADE OF ALUMINUM, MAGNESIUM OR THEIR ALLOYS, AS UNDER CERTAIN CONDITIONS TERR-O-CIDE 55-D MAY BE SEVERELY CORROSIVE TO SUCH METALS.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

STORAGE: Store in tightly-closed original container in a cool place away from dwellings. In outside storage, store drums on sides to avoid accumulation of rain water in top or bottom recessed areas. Do not allow contamination of seeds, plants, fertilizers or other pesticide chemicals. Do not contaminate food, feedstuffs, drugs or domestic water supplies.

DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Rinse equipment and containers and dispose of wastes, including spills or rinsate, in an approved sanitary landfill. Empty containers should be triple rinsed (or equivalent). Then offer for recycling, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. DO NOT REUSE CONTAINERS.

Use Terr-O-Cide 55-D only as a preplant treatment to control nematodes such as meadow (lesion), root knot, citrus, burrowing, ring, spiral, sting, pin, stubby root, stylet, dagger and cyst formers (golden and sugar beet), also wireworms, garden centipedes, (symphylans) in land to be planted to vegetables such as beans, beets, carrots, celery, cole crops (cauliflower, cabbage, etc.), corn, cucurbits (cucumbers, melons, etc.), lettuce, onions, parsnips, peas, peppers, spinach, sweet potatoes, white potatoes, tomatoes, turnips, and field crops such as cotton, peanuts, sugar beets, and tobacco; and other high value crops such as floral crops, pineapple, strawberries, citrus and deciduous orchard planting sites, ornamentals and forest nursery crops. For best results with annual crops, treat soil each year. Do not use on extremely heavy clay soil. DISEASES - Use 30 gallons per acre broadcast for control of diseases listed.

WHEN TO TREAT: Treat in spring or fall or whenever soil conditions are suitable. Soil temperature 6 inches deep should be between 40 and 80°F. (Cold or wet soils retain fumigant longer. Dry or hot soils release fumigant too rapidly.) Fall treatment is suggested for land to be planted to early planted crops such as celery, tomatoes and nursery stock. Early fall treatment allows planting a fall cover crop.

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SOIL PREPARATION: For best fumigant penetration and soil sealing, plant remains should be worked into the soil long enough before treatment so that roots are well rotted. The soil should be in good seedbed condition, with enough moisture for good seed germination. Deep tillage, 12 to 18 inches, often improves results.

APPLICATION: Over-all (broadcast) Application. Apply with chisel or plow-sole equipment. Apply in uniform streams 10 to 12 inches apart and 6 to 8 inches deep in the soil. With chisel application, seal chisel channels with a drag, ringroller, or press wheel behind the applicator. With plow-sole applications, disc immediately to break clods and then seal with roller or drag.

Row (band) Treatment. Adjust injection chisels to same spacing as planter. Inject at least 6 to 8 inches below the final soil surface. Seal with roller or drag. Plant directly in treated strips.

Citrus Replanting Sites. Space chisels 18 to 20 inches wide and inject 12 to 14 inches deep over-all.

For Deciduous Orchards, Forest and Nursery Crop Plant Sites. Treat large areas over-all or in strips 10 feet wide. Individual tree sites can be treated by injecting with a handgun in a 10 foot area. Inject 10 to 12 inches deep with spacings 12 inches apart. Seal by pressing soil with the foot.

WHEN TO PLANT: Under normal conditions, a waiting period of one week for each 10 gallons of Terr-O-Cide 55-D soil fumigant used should be allowed. Allow additional time before planting if temperatures are below 60°F. or if there has been heavy rain. Do not plant until the fumigant odor has left the soil. If during the exposure period there are heavy rains followed by low temperatures, work the soil several times.

Soil treated with massive doses of fumigant before planting, such as for deep-rooted tree and shrub planting sites, requires a 3 to 6 months waiting period. Before planting, plow or open planting hole to thoroughly aerate soil.

Consult local State Agricultural Extension Service regarding location conditions.

To avoid reinfestation of treated soil do not use transplants, tools or crop remains that could carry soil-borne pests from infested land. Clean rig carefully before using.

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RECOMMENDED APPLICATION RATES

FOR APPLICATION TO:	MANNER OF SEALING	DOSAGE (Lbs./acre)
Strawberry, vegetable, field crop, nursery or floral crop land infected with <i>Verticillium wilt</i> .	Packing or wetting soil	840
Strawberry, vegetable, field crop, nursery or floral crop land infected with <i>Verticillium wilt</i> .	Covering with plastic tarpaulin	270 - 560
Replant strawberry (not <i>Verticillium</i> infected)	Packing, wetting or covering soil with plastic tarpaulins	350 - 400

Expose to fumigation for 48 hours. Aerate 2 weeks before setting transplants in treated areas.

Apply with chisels spaced 12 inches apart to a depth of 8 inches. Seal the soil with: (A) drag or cultipacker, (B) drag followed by sprinkler irrigation (wet the soil surface to 1 inch depth), or (C) with a polyethylene cover.

Leave the soil undisturbed for two days. Remove the cover and aerate the soil for two weeks before planting. If odors persist, disc or plow to assist aeration.

Do not apply Terr-O-Cide 55-D when there is little or no air movement.

Do not apply near buildings inhabited by humans or livestock or in areas adjacent to fields where valuable crops are growing.

USE PRECAUTIONS

IMPORTANT -- 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 roots, fertilize as indicated by soil tests made after fumigation. To avoid ammonia injury or nitrate starvation, or both, to crops on high organic soils, do not use fertilizers containing ammonium salts and use only fertilizers containing nitrates, until after the crop is well established and the soil temperature is above 65°F.

Certain crops including cotton, sugarcane, and pineapple are tolerant to ammonia and the above rule does not apply to them. When using high rates of Terr-O-Cide 30-D as required by certain state nursery regulations, liming of highly acid soils before fumigation may stimulate nitrification and reduce the possibility of ammonia toxicity. Certain nursery crops such as citrus seedlings, *Cornus* sp., *Crataegus* sp., spruce, and vegetable crops such as cauliflower have shown evidence of phosphorus deficiency following fumigation. To avoid this possible effect, it is suggested that additional phosphate fertilizer be used on soils where experience indicates a deficiency may occur.

USE THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.