

INGREDIENTS

Active Ingredient: Ethylene Dibromide 83%

Inert Ingredients 17%

1 gallon of Carterfume 85 contains 12 pounds
approximately 2.3 gallons of Ethylene Dibromide.

Use Carterfume 85 fumigant as a preplanting treatment to control nematodes (other than encysted eggs and larvae of the sugar beet nematode, golden nematode, and related species), wireworms, garden centipedes (symphylans), and certain other soil-borne pests in land to be planted to lima beans, broccoli, carrots, cauliflower, corn (sweet), cotton, cucumbers, egg plant, floral crops, gladiolus, lettuce, melons, nursery crops, okra, parsnips, peppers, pineapple, potatoes (sweet), potatoes (white), squash (summer), strawberries, tobacco and tomatoes. It usually is applied as an over-all treatment, but row treatment may be used on cotton, cucumbers, and certain other crops for which this type of treatment is suitable. For best results, annual treatment is required.

DIRECTIONS FOR APPLICATION AND PLANTING

WHEN TO TREAT: Treatments can be made either in spring or fall whenever soil conditions are suitable. In northern states, late summer or early fall treatment (before October 15) is best for land to be planted to early spring crops, especially in muck soils. Early treatment permits planting a fall cover crop.

SOIL PREPARATION: To facilitate sealing and fumigant penetration, work crop remains into the soil so that they are decomposed before treatment. Soil should be in good workable seed bed condition, warm (50-95 F.), with adequate moisture for good seed germination. Deep tillage, 12 to 18 inches, often improves results, especially in heavy or muck soils.

APPLICATION: For nematode control both overall and row treatments are effective. Use only overall applications for control of wireworms and symphylans (garden centipedes). Overall applications may be made with either chisel or plow sole equipment. Row application should be made with chisels spaced 12 inches apart. Two or more chisels should be used per row depending upon the width of the row to be treated. For row applications, as the distance between the rows increases, the amount of fumigant required per acre decreases. In all cases, inject the fumigant at least 5 to 8 inches below the final soil surface planting level. Mark the treated rows by bedding or listing or by tractor or press wheels, and plant in the center of the treated strips.

SEALING: Compact the soil immediately after application. With chisel application, use a float, roller, cultipacker, or similar device attached to the applicator or to another closely following tractor. After plow sole application, disk the land, then compact it by floating or rolling. Sealing after row application can be accomplished by the tractor wheel, by listing, or by bedding so that the fumigant will be 12 or 14 inches below the top of the bed. When fumigating listed rows, seal in the fumigant with ring rollers or press sealers.

EXPOSURE PERIOD: After application and compacting, leave the soil undisturbed for at least 7 to 14 days. Wet soil retards diffusion of the fumigant, thus requiring a longer exposure period.

AERATION AND PREPARATION OF SOIL BEFORE PLANTING: At the end of the exposure period, aerate the soil by plowing or deep cultivation. This is especially desirable in northern areas after fall application in muck soils. If heavy rains accompanied by low temperatures occur during the exposure period, working the soil several times is essential for thorough aeration. Aeration is usually complete when the odor of the fumigant is no longer evident. Shallow rooted crops can usually be planted about one week after the end of the exposure period or when aeration is complete. For deep-rooted trees and shrubs, the aeration period should be 3 to 6 months.

CAUTION: 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, avoid using 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, sugar cane, and pineapple are tolerant to ammonia and the above rule does not apply to them. Liming highly acid soils before fumigation stimulates nitrification and reduces the possibility of ammonia toxicity.

DOSAGE AND USE RECOMMENDATIONS

Use as preplant only, except as indicated by footnote (d).
Do not exceed maximum dosage per acre in a single year.

Crop or Areas	Pest to be Controlled	Type of Application	Remarks	Gallons Per Acre	Linear ft.-pt.-chisel High Rate
Row Crops: Beans (lima), broccoli, carrots, cauliflower, corn (sweet), cotton, cucumbers, egg plant, lettuce, melons, okra, parsnips, peppers, potatoes (sweet), squash (summer), strawberries, tobacco, and tomatoes	All nematodes except encysted eggs and larvae of sugar beet, golden, and related species.	Overall or Row	Loam or Sandy Soil	4½ to 6	1210 to 910
	Wireworms (a) Symphylans (b) and all nematodes with exceptions above	Overall	Muck Soil	5	605
	All nematodes except potato rot and cyst forming species	Overall or Row	Loam or Sandy Soil	4½ to 6 (c)	1210 to 910
Potatoes (d) (white)	Wireworms (a) Symphylans (b) and all nematodes with exceptions above	Overall	Loam or Sandy Soil	4½ to 6 (c)	1210 to 910
Strawberries (g)	Potato rot nematodes and wireworms	Overall (e)	Wisconsin and Idaho	4 to 5 (f) 2 1/2 to 3	1365 to 1024 2730 to 2043
	Nematodes	Overall or Row	Wherever needed	9	605
Nursery and Floral Crops, Seedbeds	All nematodes except encysted eggs and larvae of sugar beet, golden and related species	Overall or Row	Wherever needed	6	910
Fruit Tree Planting Sites	Nematodes	Overall or Strip	Wherever needed	15	365
Pineapple	Nematodes	Row	Wherever needed	9 to 18 (h) 6 (i)	605 to 303 910

NOTICE: Conditions of Sale

Manufacturer/Seller warrants that, unless otherwise specified herein, the products sold hereunder shall meet Manufacturer/Seller's standard specifications and shall be of merchantable quality. Except as otherwise expressly stated herein, Manufacturer/Seller makes no representation or warranty of any kind, express or implied, with respect to the product. All claims for alleged defective products, shortage, or other cause shall be deemed waived unless made in writing and received by Manufacturer/Seller within 20 days after Buyer's receipt of the product.

Do Not Get on Skin, in Eyes, or on Clothing.
Avoid Breathing Vapor. Do Not Take Internally.

CALL A DOCTOR IN CASE OF ACCIDENT

NET CONTENTS 5 GALLONS

Manufactured and Distributed By

Carter Insecticide & Chemical Co., Inc.

P. O. Box 209

Phone AT 5-2144

Wallace, N. C. 28466

PENETRATING FUMIGANT

Active Ingredients: Methyl Bromide 98.00%
Chloropicrin 2.00%
TOTAL — 100.00%

DIRECTIONS

PRE-PLANT TREATMENT--Strawberries & tomatoes: Soil treatment to control certain weeds, grasses, nematodes and insect pests, such as root knot and meadow nematodes and wireworms present in the soil at the time of treatment, apply 240 lbs. per acre either injected in streams not more than 12 inches apart 4 to 5 inches deep and immediately cover with an air tight tarpaulin or first cover area with tarpaulin and inject material underneath. Keep tarpaulin over area for a period of 48 hours. Aerate for a period of two weeks before setting transplants in treated areas.

WARNING

KEEP OUT OF REACH OF CHILDREN

Poisonous Liquid and Vapor! Contact with liquid may produce burns. Do not breathe vapor. Wear a full face gas mask with black canister meeting specifications of the U. S. Bureau of Mines for organic vapors. Do not get in eyes, on skin, or on clothing. In case of contact, immediately remove all contaminated clothing including shoes. Wash skin thoroughly with soap and water and flush eyes with water for at least 15 minutes. Get medical attention. Do not reuse shoes or clothing until free of all contamination.



SEND FOR A DOCTOR IN CASE OF ACCIDENT

ANTIDOTE: Remove victim to fresh air immediately. Keep victim lying down and warm. Give artificial respiration if breathing has stopped. Call a Physician Immediately!

DO NOT SPILL OR DISCHARGE CONTENTS OUTSIDE GROUND COVER.

KEEP CHILDREN AND ANIMALS AWAY FROM PLOTS UNDER TREATMENT.

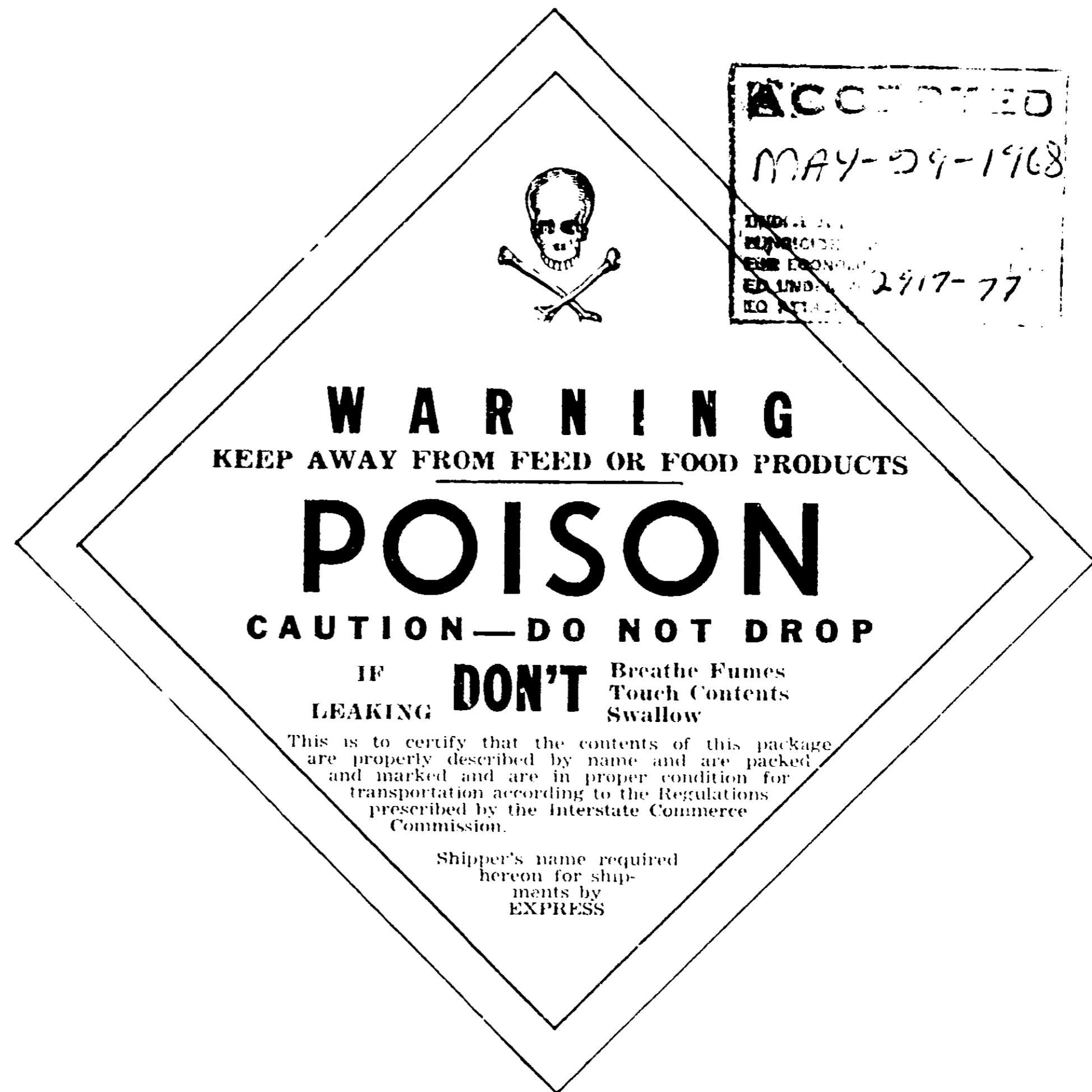
— Manufactured By —

CARTER INSECTICIDE & CHEMICAL CO., INC.

P. O. Box 127

Teachey, N. C. 28464

Phone 285-2144



**METHYL BROMIDE – CHLOROPICRIN
MIXTURE, LIQUID**

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 Chloropicrin 2.00%
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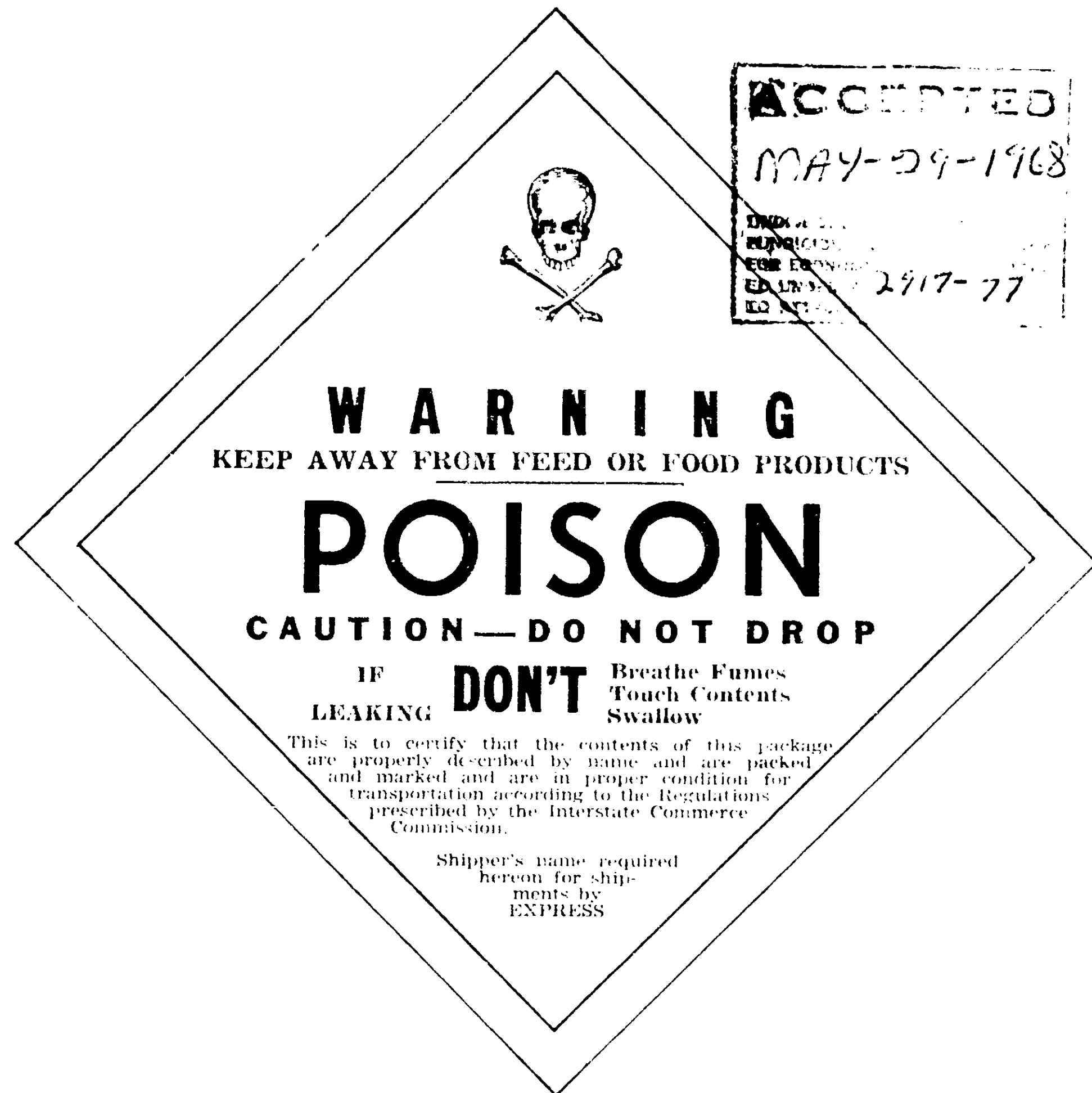
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**METHYL BROMIDE — CHLOROPICRIN
 MIXTURE, LIQUID**