45885-43 5-30-90 PM16 1/1

BEST AVAILABLE COPY

EPA-PR 5-30-90 AA-AA3 06-06-2

CHEM-TOX MAL - 50% - E.C.

FOR GARDEN - HOME - FARM

(CONTAINS "ETHION" Formula [illegible])

ACTIVE INGREDIENT:
diethion (O,O-dimeth[illegible]) [illegible] 50.0%
methylene-bis(methyl) [illegible] [illegible]
**INERT INGREDIENT [illegible]

**contains aromatic petroleum distillate 44.0%
(*Trademark of American Cyanamid)

KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if [illegible] Avoid [illegible] breathing spray mist. [illegible] Do not [illegible] food or feed stuffs.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a Poison Control Center or doctor immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated. If skin contaminated: Remove contaminated clothing. Wash skin areas with soap and water. Flush eyes with plenty of water. Call a physician immediately.
Note to Physician: Malaoxon is a potent inhibitor of cholinesterase. Atropine and oximes are the antidotes of choice.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, or potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment wash waters. This product is highly toxic to bees exposed to direct treatment or blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment areas. Indoors: Use only with adequate ventilation. Before using this product, carefully read and follow all precautions and directions for use given on the label.

PHYSICAL AND CHEMICAL HAZARDS

[illegible]

EPA Reg. No. [illegible]
EPA Est. No. [illegible]

Manufactured by
CHEM-TOX, INC.
[illegible] Pepper Rd.
Hoffman, IL [illegible]

Net Contents: _____

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Pesticide: Pollutants: [illegible] Store in original container and out of reach of children. Do not [illegible] feed storage area.
PESTICIDE 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 according to label instructions, contact your State Pesticide or Environmental Control agency, or a hazardous waste disposal facility.
CONTAINER DISPOSAL: 1. Household (All): Do not reuse empty container. Triple rinse (or equivalent) and put in trash. 2. Metal (All Sizes): Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state or local authorities. 3. Plastic (All): Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

APPLICATION

HOUSEHOLD EFFECTS: For ANTS, BROWN DOG TICKS, CARPET BEETLES, CENTIPEDES, CLOTHS MOTHS, CLOVER MITE, COCKROACHES, CRICKETS, EARWIGS, FLIES, MOSQUITOES, MOTHS, SCORPIONS, SILVERFISH, SPIDERS, STORED PRODUCT INSECTS: Dilute 3 tbls per quart (1 quart per 5 gal) of water. Apply as a coarse spray or with paint brush to window sills, screens, cracks, and crevices, around doors, baseboards, storage areas, bookcases, [illegible] and other areas frequented by or where pests are active. FLIES & MOSQUITOES: Use at a rate of 2 ounces (25 ml) of pint (to 5 gal of water). For best results, [illegible] on finished spray. Use [illegible] If Use around buildings, [illegible] horses, garbage cans, and [illegible] R [illegible] areas.
PANTRY (Beef & [illegible]): Use preslaughter interval [illegible] animal treatment). For HORSE FLIES: Dilute 1 1/2 gal per 100 gal (water (6 1/2-10 oz per 5 gal). Apply as a complete coverage spray and repeat at 2 [illegible] intervals if needed. LICE: Dilute 1 gal per 100 gals of water (6 1/2 oz per 5 gal). Apply as a complete coverage spray [illegible] treatment may suffice. Repeat only if needed. TICKS: Use 1 gal per 100 gal (water (6 1/2-13 oz per 5 gal). Apply as a complete coverage spray and repeat at 2 week intervals if needed. BACK RUBBING DEVICE (No preslaughter interval through app 2 [illegible] formed spray) For HORN FLY and LICE: Use a 25 mg/ml in fuel oil. To be used in all types of backrubbers and rollers. Do not over saturate backrubbers and rollers should be made continuously accessible to the animals. Use one backrubber/30-45 animals. Recharge every 14-21 days. NOTE: Do not treat young animals under 3 months of age. Do not spray or make accessible (back rubbing device) to lactating dairy animals.
HORSES, HORSEFLIES: Dilute 1 1/2 gals per 30 gal of water (6 1/2 oz per 5 gal). Apply as a complete coverage spray and repeat at 2 weeks intervals if needed. LICE: Use 1 gal per 100 gal (water (6 1/2 oz per 5 gal). Apply as a complete coverage spray [illegible] treatment may suffice. Repeat only if needed. TICKS: Use 1 gal per 100 gal of water (6 1/2 oz per 5 gal). Apply as a complete coverage spray and repeat at 2 weeks intervals if needed. For WESTERN COAST TICK and SPINOSE EAR TICK: [illegible] to reach ear and to head, neck and shoulder areas.
POULTRY (CHICKENS, CHICKS, TURKEYS): No [illegible] For CHICKEN RED MITE, CHICKEN LICE, NORTHERN FOWL MITE: Dilute [illegible] gal per 100 gal (in shed spray [illegible] Repeat [illegible] weeks [illegible] treatment is supplemental [illegible] treatment of CHICKEN BODY LOUSE, NORTHERN FOWL MITE, CHAFE LOUSE: Dilute 1 1/2 oz [illegible] DIPPING (no preslaughter interval): [illegible] finished spray per 100 [illegible] Do not [illegible] Repeat in 7 [illegible]

POULTRY HOUSES: For CHEWING LICE, CHICKEN RED MITE, NORTHERN FOWL MITE, FLIES (Dilute 4 tbls per gal) and apply liberally to litter, roosting, roost nests, and adjacent areas. Apply with a high pressure sprayer. Force spray into cracks and crevices. The soluble concentrate should be diluted in kerosene or other distillate. ROOST PAINT TREATMENT: For CHEWING LOUSE, CHICKEN RED MITE: Dilute 2-7 oz per gal of water (or oil) and apply with a brush to all possible roosting places. One application is usually sufficient. Control should be achieved in 3 to 7 days. Examine birds 14 to 21 days after treatment. Make the second application if needed. FOWL TICK: Dilute 7 oz per gal and apply liberally to walls, ceiling, roost nests, and adjacent areas. Apply with a high pressure sprayer and force spray into cracks and crevices. CHIGGER MITES: Apply 1 to 1 1/2 gals per acre as range treatment. Treat the range thoroughly 10 days prior to placing poultry on range. Repeat at 14 to 21 day intervals.
DOGS, CATS: For FLEAS, TICK MITE FAMILY, LICE, TICKS (including BROWN DOG TICK): Do not treat puppies or kittens under 4 weeks of age. Dilute 1 oz (2 tbls) in 1 gal of water and use a hand sprayer, wet the animal thoroughly. If necessary, repeat treatment in 7 days. If animals are free, treatment may be required every 14 to 21 days. ANIMAL QUARTERS (kennels, pens, yards, lavs and under houses): Dilute 5 oz (10 tbls) in 1 gal to 25 gals (1 oz/gal to wet quarters). Spray bedding, cracks, crevices and flooring thoroughly as often as needed.
GOATS - SHEEP: No preslaughter interval [illegible] finished spray for animal treatment. [illegible] treat animals under 1 month of age. For SHEEP KED: Dilute 1 oz per 1 gal of water (6 1/2 oz per 5 gal). For LICE: Dilute [illegible] per 100 gal of water (5 oz per 5 gal). Spray [illegible] TICKS: Dilute 1-2 gals per 100 gals of water (6 1/2-13 oz per 5 gal). Apply complete coverage spray. DO NOT APPLY TO MILK GOATS. Repeat after 14 to 21 days if needed.
HOGS: No preslaughter interval. Dilute [illegible] for animal treatment. Do not treat animals under 1 month of age. After treatment hogs should be kept out of the sun or wind for a few hours. Avoid contamination of feed, feed containers and watering troughs. For HOG LICE, HOG MITE, FOWL LICE: Dilute 1 gal per 100 gal of water (6 1/2 oz per 5 gal). Apply as a complete coverage spray and repeat at 2 week intervals if needed. LICE: Dilute 1 gal per 100 gals of water (6 1/2 oz per 5 gal). Apply as a complete coverage spray [illegible] treatment may suffice. Repeat only if needed. TICKS: Use 1 gal per 100 gal of water (6 1/2-13 oz per 5 gal). Apply as a complete coverage spray and repeat at 2 week intervals if needed. BACK RUBBING DEVICE (No preslaughter interval through app 2 [illegible] formed spray) For HORN FLY and LICE: Use a 25 mg/ml in fuel oil. To be used in all types of backrubbers and rollers. Do not over saturate. Backrubbers and rollers should be made continuously accessible to the animals. Use one backrubber/30-45 animals. Recharge every 14-21 days. NOTE: Do not treat young animals under 3 months of age. Do not spray or make accessible (back rubbing device) to lactating dairy animals.
HORSES, HORSEFLIES: Dilute 1 1/2 gals per 30 gal of water (6 1/2 oz per 5 gal). Apply as a complete coverage spray and repeat at 2 weeks intervals if needed. LICE: Use 1 gal per 100 gal (water (6 1/2 oz per 5 gal). Apply as a complete coverage spray [illegible] treatment may suffice. Repeat only if needed. TICKS: Use 1 gal per 100 gal of water (6 1/2 oz per 5 gal). Apply as a complete coverage spray and repeat at 2 weeks intervals if needed. For WESTERN COAST TICK and SPINOSE EAR TICK: [illegible] to reach ear and to head, neck and shoulder areas.
POULTRY (CHICKENS, CHICKS, TURKEYS): No [illegible] For CHICKEN RED MITE, CHICKEN LICE, NORTHERN FOWL MITE: Dilute [illegible] gal per 100 gal (in shed spray [illegible] Repeat [illegible] weeks [illegible] treatment is supplemental [illegible] treatment of CHICKEN BODY LOUSE, NORTHERN FOWL MITE, CHAFE LOUSE: Dilute 1 1/2 oz [illegible] DIPPING (no preslaughter interval): [illegible] finished spray per 100 [illegible] Do not [illegible] Repeat in 7 [illegible]

POULTRY HOUSES: For CHEWING LICE, CHICKEN RED MITE, NORTHERN FOWL MITE, FLIES (Dilute 4 tbls per gal) and apply liberally to litter, roosting, roost nests, and adjacent areas. Apply with a high pressure sprayer. Force spray into cracks and crevices. The soluble concentrate should be diluted in kerosene or other distillate. ROOST PAINT TREATMENT: For CHEWING LOUSE, CHICKEN RED MITE: Dilute 2-7 oz per gal of water (or oil) and apply with a brush to all possible roosting places. One application is usually sufficient. Control should be achieved in 3 to 7 days. Examine birds 14 to 21 days after treatment. Make the second application if needed. FOWL TICK: Dilute 7 oz per gal and apply liberally to walls, ceiling, roost nests, and adjacent areas. Apply with a high pressure sprayer and force spray into cracks and crevices. CHIGGER MITES: Apply 1 to 1 1/2 gals per acre as range treatment. Treat the range thoroughly 10 days prior to placing poultry on range. Repeat at 14 to 21 day intervals.
DOGS, CATS: For FLEAS, TICK MITE FAMILY, LICE, TICKS (including BROWN DOG TICK): Do not treat puppies or kittens under 4 weeks of age. Dilute 1 oz (2 tbls) in 1 gal of water and use a hand sprayer, wet the animal thoroughly. If necessary, repeat treatment in 7 days. If animals are free, treatment may be required every 14 to 21 days. ANIMAL QUARTERS (kennels, pens, yards, lavs and under houses): Dilute 5 oz (10 tbls) in 1 gal to 25 gals (1 oz/gal to wet quarters). Spray bedding, cracks, crevices and flooring thoroughly as often as needed.
GOATS - SHEEP: No preslaughter interval [illegible] finished spray for animal treatment. [illegible] treat animals under 1 month of age. For SHEEP KED: Dilute 1 oz per 1 gal of water (6 1/2 oz per 5 gal). For LICE: Dilute [illegible] per 100 gal of water (5 oz per 5 gal). Spray [illegible] TICKS: Dilute 1-2 gals per 100 gals of water (6 1/2-13 oz per 5 gal). Apply complete coverage spray. DO NOT APPLY TO MILK GOATS. Repeat after 14 to 21 days if needed.
HOGS: No preslaughter interval. Dilute [illegible] for animal treatment. Do not treat animals under 1 month of age. After treatment hogs should be kept out of the sun or wind for a few hours. Avoid contamination of feed, feed containers and watering troughs. For HOG LICE, HOG MITE, FOWL LICE: Dilute 1 gal per 100 gal of water (6 1/2 oz per 5 gal). Apply for complete coverage to animals, pens, and floors. This treatment is usually sufficient. Repeat if needed. For CHICKEN MITE family, treat the entire herd. Additional treatment may be required 10 days after the first treatment.

OUTDOOR APPLICATION
ORNAMENTALS- FLOWERING PLANTS, ORNAMENTAL WOOD PLANTS

Do not allow spray to contact fruit, buckeye, viburnum, [illegible] spa, crassula, or canaeha jasmine as injury may result to plants. Do not apply to elms under conditions of drought, heat or [illegible] stress.
DILUTION RATE: 1 1/2 pts/100 gal or 2 tsp/gal
PESTS: Aphids (incl cherry, green apple, rosy apple, spiraea, [illegible] and woolly apple aphid), bagworms, birch leafminer, boxelder bug, boxwood leafminer, chrysanthemum leafminer, elm leafminer, European pine shoot moth, fourlined leaf bug, Japanese beetle (adults), lace bugs, leafhoppers (incl rose leafhopper), Locust leafminer, Mealybugs (incl citrus mealybug), *Mites (incl boxwood, European red mite, gall mite,* honey locust, oak, red spider, southern red mite, spruce and twospotted spider mites), Pear slugs, Psyllids (incl boxwood psylla), Scales (incl [illegible] black, cottony, [illegible] fletcher, Florida red scale, juniper [illegible], [illegible] scale, oak, [illegible], kermes, oyster shell scale, pine [illegible], red [illegible], soft brown and wax scales), sawflies, [illegible] plant bugs, [illegible] thrips, whiteflies.
For pine needle scales: 2 pts/100 gal or 2 tsp/gal. Apply when crawlers have [illegible] Repeat at 5 to 7 days intervals if [illegible]

FRUIT CROPS

APPLES: Rate 1 1/2 pts/100 gal or 2 tsp/gal. 3 pre harvest days interval. Do not use fruit in [illegible] McIntosh and Cortland varieties if applied within 28 days of harvest. Delayed dormant and foliar application. For codling moth, oriental fruit moth and plum curculio, apply at petal fall and repeat at 10 to 14 days intervals if needed. For scales (crawlers), apply when crawlers are present, second, fifth, sixth and seventh cover sprays. For spider mites, make at least 2 applications at 10 to 12 days intervals in summer months. Pests: aphids (incl apple, green, peach, [illegible], woolly apple aphid), apple maggot, Bagworms, codling moth, eyespotted bud moth, flourlined plant bug, Japanese beetle (adults), leafhoppers, leafrollers (incl fruittree, redbanded leafroller), mealybugs, mites (incl spider, European red mite, twospotted spider mite, Willamette spider mite), orange, tarnish, oriental, fruit moth, pear psylla, plum curculio, scales (incl cottonyscale, Forbes, Putnam, San Jose scale), tarnished plant bug, tent caterpillars, (incl eastern tent)
Leafminers, thrips: unspotted tentiform leafminer, yellowwreathed cutern char.
CHERRY: Rate (1 [illegible] pts/100 gal or 2 tsp/gal) 3 pre-harvest days interval. Foliage application. For cherry fruit fly, repeat at 20 day intervals. For Forbes scale and San Jose scale, apply 21 days before harvest. Pests: aphids (incl black cherry, black peach, green peach aphid), cherry fruit fly, codling moth, eyespotted bud moth, fruittree leafroller, Japanese beetle, leafhoppers, lesser peachtree borer, mites (incl spider, European red and twospotted spider mites), orange tortrix, oriental fruit moth, plum curculio, redbanded leafroller, scales (incl Forbes and San Jose scales), thrips.
PEACH: Rate (1 [illegible] pts/100 gal or 2 tsp/gal) 7 pre harvest days interval. Delayed dormant and foliar application. For scales at [illegible] borer, take full coverage application at [illegible] hatching, approx the last of June. For oriental fruit moth, plum curculio, apply at petal fall and repeat at 10 to 14 days intervals. Pests: aphids (incl black cherry, black peach, green peach, rosy plum aphid), codling moth, cottony [illegible], European fruit lecanium, eyespotted bud moth, [illegible] leafhoppers, lesser borers, mealybugs, mites (incl spider, brown, European, red, twospotted spider mites), orange tortrix, oriental fruit moth, pear slugs, plum curculio, redbanded leafroller, scales, stinkbugs, strawberry root weevil, thrips, whiteflies.
PEAR: Rate (1-2 pts/100 gal or 2 tsp/gal). 1 pre harvest day interval. Injury may occur under certain conditions in the Northwest or BOSC variety of pears. Delayed dormant and foliar application. For codling moth, oriental fruit moth, and plum curculio, apply at petal fall and repeat at 10 to 14 day intervals. For scales, apply when crawlers are present, approx first or second cover and last half of July. For spider mites, make at least 2 applications at 10 to 12 days intervals in summer months. Pests: aphids (incl apple, apple grain, rosy apple, woolly apple aphid), codling moth, eyespottes bud moth, forbes scale (incl crawlers), fourlined plant bug, Japanese beetle (adult), leafhoppers, leafrollers (incl fruittree, redbanded leafroller), mealybugs, mites (incl spider, brown, European, red, Pacific spider, twospotted spider, Willamette spider mite), orange tortrix, oriental fruit moth, pear psylla, plum curculio, San Jose scale (incl crawlers), tarnished bug, thrips.
BERRIES (incl Black, Boysen, Dew, Logan, Raspberry): Rate 1 1/2 pts/100 gal or 2 tsp/gal. 1 day pre-harvest interval. Foliar application. Pests: aphids, black scale, European fruit lecanium, grasshoppers, Japanese beetle (adults), leafhoppers, leafrollers, mites (incl spider, twospotted spider mite), plum curculio, scales, passerby fruitworms, rose scale, rose chafer, sap beetles (raspberry only), spittlebugs, thrips, whiteflies.
Strawberry: Rate 1.5 pts/100 gal or 2 tsp/gal. 3 days pre harvest interval. Foliage application. Do not use where cyclamen mite is a problem. Pests: aphids, field crickets, leafhoppers (incl potato leafhopper), leafrollers (inc strawberry leafroller), mites (incl spider mites such as twospotted spider mite), rose scale, stinkbugs, strawberry root weevil, thrips, whiteflies.

VEGETABLES

CUCUMBER: Rate 3 tsp/gal. 1 day pre harvest day interval. Foliage [illegible] unless plants are dry. Foliage application. Pests: aphids (incl melon), spider mites, cucumber beetles.

ASPARAGUS: Rate 2 tsp/gal. [illegible] Foliage application. For asparagus beetle, [illegible] spears. For things, apply immediately after cutting. Pests: aphids, asparagus beetle, leafhoppers, [illegible] thrips.
COLE CROPS (incl Brussels sprouts, cabbage, cauliflower, broccoli): Rate 1 1/2 pts/100 gal or 2 tsp/gal. [illegible] pre harvest intervals. Foliage application. For aphids, [illegible] For control of cutworms, armyworms, and [illegible] Apply when crop leaves appear. For [illegible] plantings, and for control of cutworms, use [illegible] when crops first appear. Pests: aphids (incl cabbage, turnip aphids), armyworms, cabbage looper, cutworms, cucumber beetles, [illegible] flea beetles, fourlined plant bug, harlequin bug, imported cabbageworm, whiteflies.
CELERY: Rate 2 tsp/gal. 7 pre harvest days interval. Foliage application. For aphids, celery leafminer, [illegible] cutworm, Japanese beetle, Leafhoppers, spider mites (incl twospotted spider mite), thrips, whiteflies.
EGGPLANT: Rate 2 tsp/gal. 3 pre harvest days interval. Foliar application. For flea bugs, apply the higher dosage. Pests: aphids, spider mites (incl twospotted spider mite), flea bugs.
ENDIVE: Rate 2 tsp/gal. 7 pre harvest days interval. Foliage application. Pests: aphids, armyworms, [illegible] spider mites, whiteflies, thrips.
PEAS: 2 tsp/gal. 3 days pre harvest days interval. [illegible] for food. 7 days pre-harvest days interval. [illegible] for leafhoppers and Mexican bean beetle. [illegible] applications as needed. For pea aphids, [illegible] bloom before eggs are oviposited. Pests: aphids (incl pea aphid), pea weevil, spider mites, thrips, whiteflies.
BEANS: 1.5 pts/100 gal or 2 tsp/gal. [illegible] Foliar application. More 2 or more applications as needed. Pests: aphids (incl bean aphid), bean leaf beetle, Mexican bean beetle, corn earworm, cucumber beetles, cutworms, flea beetles, spider mites (incl twospotted spider mite), thrips, bugs.
SPINACH: Rate 3 pts/100 gal or 2 tsp/gal. [illegible] interval. Foliar application. Pests: aphids, [illegible] bugs, leafhoppers, spider mites, thrips.
TOMATO: Rate 2 tsp/gal. 5 pre harvest [illegible] application. For aphids, spider mites, and leafhoppers, apply the higher dosage. Pests: aphids, [illegible] (incl serpentine leafminer), spider mites, [illegible] spider mite, tomato hornworm.
BEETS: Rate 3 pts/100 gal or 2 tsp/gal. [illegible] interval. Foliar application. Pests: aphids, [illegible] leafhoppers, leafminers.
CORN: Rate 3 pts/100 gal or 2 tsp/gal. [illegible] interval. Foliar application for aphids, [illegible] by locating pests in leaf sheath and use [illegible] possible, direct spray into whorl. For corn rootworm, begin treatment when 10% of ears show silk. Make 5 applications at 3-5 days intervals. Injury may occur in the whorl stage. For grasshoppers, apply at nymphal stage. Pests: aphids (incl [illegible] leaf aphid), armyworms, cereal leaf beetles, corn rootworms (adults), grasshoppers, sap beetles, thrips, [illegible]

TERMS OF SALE OR USE OF PURCHASED OR USED THIS PRODUCT
Warranty: Manufacturer and seller warrants that this product is as of time of sale conforms to the [illegible] and is reasonable fit for the purposes stated on the label, and is reasonable fit for the purposes [illegible] Directions for Use. Except to the extent prohibited by law, buyer or user assumes the risk of such use or handling of this product when it is not used according to the directions for use. Manufacturer makes no other warranty, express or implied.
EXCUSE FROM NON-CONFORMANCE TO SPECIFICATIONS: Because of certain external conditions [illegible] buyer or user must which manufacturer [illegible] and user as a condition of purchase [illegible] responsibility for and release manufacturer [illegible] out of handling or use of this product [illegible] causes. No person is authorized [illegible] contrary thereto.

Order Code [illegible]

Not Reviewed. Registrant claims to be in accordance with Reregistration of Pesticide Product Guidance for Phase 2.2 Response, Page 2.12, Active to Inert Change in Status.