



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

RECEIVED  
MAR 22 1991  
J. SMOTHERS

OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES  
MAR 18 1991

**BEST AVAILABLE COPY**

Mr. Jack Smothers  
Hysan Corporation  
4308 South Morgan Street  
Chicago, IL 60609

Dear Mr. Smothers:

Subject: Resmethrin Registration Standard, Amendments  
OB-40 Insect Killer  
EPA Registration No. 334-378  
Submissions: June 19 and December 20, 1989

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is not acceptable for the reasons given below.

1. Identify a similar registration with reference to the additional claims and the proposed change in signal word. You may also submit/cite data to support the latter change. *432-506*
2. Provide written authorization from USDA officials to confirm the reference added to the front panel.
3. The formula statement incorrectly cites the source of resmethrin as registration 1432-595. The correct number is 432-595. *432-506*

Sincerely,

*Richard F. Mountfort*

Richard F. Mountfort  
Product Manager 18  
Insecticide & Rodenticide Branch  
Registration Division (H7505C)

247

### EXTERMINADOR NO RESIDUARIO DE INSECTOS VOLADORES

#### FEATURES, CLAIMS, AND USES

This product is a ready-to-use, multi-purpose, non-residual insecticide designed for application from a hand or power sprayer. It contains Resmethrin, a broad-spectrum, non-persistent pyrethroid (synthetic pyrethrum). It can be used in both food and non-food areas of industrial, institutional, commercial, residential, and medical facilities, premises, buildings, vehicles, and equipment.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** May be harmful if swallowed, absorbed through skin, or inhaled. Eye contact may cause temporary irritation. Do not breathe spray mist or vapors. Do not get in eyes, or on skin or clothing. Do not contaminate foods/drinks/leads or surfaces they may contact.

##### PRACTICAL TREATMENT (FIRST AID)

**QUICKLY** follow directions below AND call a Poison Control Center (or physician or emergency department). Always get quick medical attention for ANY ill effects which continue (or show up later).

**IF SWALLOWED.** Do NOT induce vomiting unless directed by medical personnel. Immediately (for conscious victims) rinse mouth with water, spit out rinse, then drink a glassful or more of water. Get IMMEDIATE medical attention.

**IF IN EYES.** Flush eyes with plenty of water while removing any contact lenses, then hold eyelids open and continue flushing with plenty of water.

**IF ON SKIN, CLOTHING, ETC.:** Remove any contaminated clothing, shoes, jewelry, etc. (clean them thoroughly before wearing), and wash affected skin with soap and water.

**NOTE TO PHYSICIAN:** Contains over 95% Petroleum distillates.

##### ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes, and purlieus). Drift and runoff from treated sites may be hazardous to fish in adjacent waters. Do not contaminate water when disposing of equipment washwaters.

##### PHYSICAL/CHEMICAL HAZARDS

Product is combustible. Do not use or store near heat or sources of ignition (such as flames, sparks, and pilot lights).

##### DIRECTIONS FOR USE

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

**GENERAL:** Read entire label carefully before using. Apply undiluted product using a manually operated or powered sprayer. Hold spray nozzle at least 6 ft (1.8 m) from surfaces. Do not spray on or toward humans, pets, vegetation, or solvent sensitive surfaces. Remove any pets (including birds and fish) and cover any non-moveable aquariums, etc in area to be treated. Do not spray in areas where ignition sources (such as flames, sparks, and pilot lights) are present. Spray directly on insects whenever possible.

(Continued on right side panel.)

Authorized by USDA for use in Federally inspected meat and poultry plants.

**OB-40**  
**BEST AVAILABLE COPY**

## INSECT KILLER

A READY-TO-USE SOLVENT-BASED NON-PERSISTENT SYNTHETIC PYRETHROID BROAD-SPECTRUM INSECTICIDE FOR USE AGAINST MANY COMMON INSECT PESTS IN FOOD AND NON-FOOD AREAS ON AND IN INDUSTRIAL, INSTITUTIONAL, COMMERCIAL, RESIDENTIAL, AND MEDICAL PREMISES, BUILDINGS, VEHICLES, AND EQUIPMENT.

**Kills Many Common Flying Insect Pests, including:** Bees, Flies, Gnats (Midges), Hornets, Mosquitoes, small flying Moths (Moths), Wasps, and Yellow Jackets.

**Also Kills Many Common Crawling Insect Pests, including:** Ants, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Firebrats, Fleas, Millipedes, Mites, Silverfish, Sow Bugs, Spiders, and Water Bugs.

#### ACTIVE INGREDIENT:

Resmethrin\* ..... 0.05%  
INERT INGREDIENTS† ..... 99.95%  
TOTAL ..... 100%

\*[5-(Phenylmethyl)-3-furanyl]methyl 2,2-dimethyl (2-methyl-1-propenyl)cyclopropanecarboxylate in the 70% min. (±)trans and 30% max. (±)cis isomers.

†Contains Petroleum distillates.

KEEP OUT OF REACH OF CHILDREN.

### CAUTION

SEE ADDITIONAL PRECAUTIONARY AND PRACTICAL TREATMENT (FIRST AID) STATEMENTS ON LEFT PANEL.

EPA Reg. No. 334-378

EPA Est. No. 334-1L-1

MANUFACTURED BY

**hysan**<sup>®</sup>

CORPORATION  
MAIN OFFICE CHICAGO, IL 60609

OTHER LOCATIONS Waco, TX 76712  
Blue Island (Chicago), IL 60406  
Cartersville (Atlanta), GA 30120

**NET 1 GAL (3.78 L)**

(SEE ADDITIONAL COPY ON BACK.)

Hysan Product Name: **OB-40**  
Hysan Product #: **19440-01-X-XX-XXXXX**  
Disk Volume: 047 (L); Filename: A19440-01 EPA; Date Last Revised: 12-22-89  
Product File Name at EPA: Insect Killer OB-40

HYSAN LARA APPROVAL by: \_\_\_\_\_ Date: \_\_\_\_\_  
 HYSAN R&D APPROVAL by: \_\_\_\_\_ Date: \_\_\_\_\_  
 HYSAN SALES APPROVAL by: \_\_\_\_\_ Date: \_\_\_\_\_

will be removed  
EPA Est. No. 334-1L-1  
MAR 18 1991  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No. 334-378

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Before spray...  
Before treatin...  
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removed or c...  
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of newspaper

EPA Reg. No.

MANUFACTURED BY  
**hysan**  
MAIN OFFICE

... Moths (including Grain and Indian Meal), and Weevils (including Grain and Rice).

### USE LOCATIONS

FOR USE IN OR ON ...

**INDUSTRIAL FACILITIES, PREMISES, GROUNDS, BUILDINGS, EQUIPMENT, & VEHICLES:** Factories, manufacturing plants, warehouses, seed houses, offices, laboratories, cars, trucks, trains, boats, ships, barges, tankers, airplanes, and helicopters; delivery vehicles; tank trucks; maintenance vehicles; and maintenance equipment.

**INSTITUTIONAL FACILITIES, PREMISES, GROUNDS, BUILDINGS, EQUIPMENT, & VEHICLES:** Public buildings; public transportation; public restrooms; public/private universities, colleges, schools, kindergartens, preschools, day care centers, classrooms, laboratories, gymnasiums, fieldhouses, indoor pools, dressing rooms, & locker rooms; churches, temples, clubs, fraternal organizations, & country clubs; public/private zoos, aquariums, farms, stables, & kennels; public/private greenhouses, lathouses, and other indoor gardens & landscaping; public/private institutional cars, vans, busses, trucks, trains, boats, ships, airplanes, & helicopters; delivery vehicles; maintenance vehicles; and maintenance equipment.

**HEALTH CARE FACILITIES, PREMISES, GROUNDS, BUILDINGS, EQUIPMENT, & VEHICLES:** Medical, dental, & veterinary units, such as public/private hospitals, nursing homes, hospices, laboratories, carts, stretchers, and ambulances; doctor's & dentist's offices & clinics; veterinary offices, clinics, & animal hospitals; cars, vans, busses, trucks, trains, boats, ships, airplanes, & helicopters; delivery vehicles; maintenance vehicles; and maintenance equipment.

**COMMERCIAL FACILITIES, PREMISES, GROUNDS, BUILDINGS, EQUIPMENT, & VEHICLES:** Offices, office complexes, stores, supermarkets, shopping malls, markets, hotels & motels, theaters, shows, amusement parks, funeral homes, pet shops, kennels & stables, pet boarding facilities, greenhouses, lathouses, indoor gardens & landscaping, laboratories, warehouses, taxis, businesines, vans, buses, trucks, trailers, boats, ships, airplane cabins, cargo hold, barges, trains, freight cars, boxcars, boxcars, airplanes, & helicopters; delivery carts; delivery trucks; tank trucks; maintenance trucks; and maintenance equipment.

**FOOD/DRINK/FEED FACILITIES, PREMISES, GROUNDS, BUILDINGS, EQUIPMENT, & VEHICLES:** Food and non-food areas of food/drink/feed harvesting, handling, transportation, processing, packing, storage, and serving units, such as food processing plants, bottling plants, dairies, milk storage rooms, breweries, dairies, egg processing plants, flour mills, feed mills, bakeries, processors, food warehouses, kitchens, restaurants, cafeterias, banquet halls, bars/averns, night clubs, discos, supermarkets, delicatessens, butcher shops, fish markets, vegetable/fruit stands, vending machines, vending trucks, vans, trucks, tank trucks, trailers, freight cars, boxcars, ships, barges, tankers, and cargo holds.

### DIRECTIONS FOR USE

**TO KILL GRAIN INSECTS** (including adult and accessible stages of Beetles (Carpet, Confused Flour, Red Flour, and Shiny Spider), Mites (Gran), Moths (Angoumois Grain and Indian Meal), and Weevils (Gran)): Find and destroy all infested products, including grain, cereal, and flour. Follow general directions for Crawling Insects above. Shelves and drawers should be cleaned and thoroughly sprayed, then covered with shelf paper after they are dry.

**TO KILL BEDBUGS:** First, thoroughly clean and air out mattresses and springs. Then spot treat only areas that could harbor bedbugs, concentrating on tufts, folds, and seams. Apply as a spot treatment to cracks and crevices around baseboards, floorboards, bed boards, and walls. For persistent infestations, consult a professional pest control service.

**TO KILL FLEAS AND TICKS:** Do not spray animals. Remove and clean or destroy their old bedding. Spray surfaces in areas they frequent, including dog houses, sleeping areas, baseboards, and other local areas on walls and floors (especially on rugs/carpets near walls and furniture, and in holes/cracks/crevices in animal areas). Spray until surface is slightly moist. After treatment, put fresh bedding in animal's quarters. Before animals reenter area, treat them with a flea and tick control product labeled for that use.

**TO KILL CARPET BEETLES AND JERMESTIDS:** Thoroughly spray edges, tops, and bottoms of rugs and carpets, and inside upholstered furniture. Also treat along baseboards, under furniture, in closets, on shelving, and wherever these insects are seen or suspected.

**TO KILL BEES, HORNETS, WASPS, and YELLOW JACKETS:** Application should be made in the late evening when insects are at rest. Make sure wind is not toward you. Do not stand under nest. Adjust spray to give a narrow, long-range jet if possible. Spray liberally on visible nests and other hiding and breeding places under eaves, on attic rafters, around chimneys, on poles, in openings in the ground, and in other holes/cracks/crevices which may harbor these insects.

**TO REDUCE ANNOYANCE FROM FLYING INSECTS** (Flies (Oler, Fruit, House, and Stable), Gnats, Mosquitoes, and small Flying Moths): Fog open areas where they congregate and rest. Treat open porches and patios in a similar manner. Spray only when the air is still. Allow spray to dissipate before occupying the treated area.

... 1/2 hour. Ventilate area thoroughly before reentry. Sweep up and destroy fallen insects.

**Outdoors to Reduce Annoyance from Flying Insects:** including Flies, Mosquitoes, and Gnats in yards, patio around swimming pools, in picnic areas, camp site, drive-ins, horse stables, kennels, garbage & refuse areas, and similar locations: Apply at the rate of 11 fl. oz. per 1,000 ft<sup>2</sup> (0.5 mL/m<sup>2</sup>; 3 1/4 gal/acre; 35 L/ha). Fog only when there is no breeze, or the wind velocity is less than 3 mph (5 kph). The ideal time is generally at dusk when the wind dies down, and the air and ground temperatures are approximately the same. Under these conditions, the fog will linger in the treated area for a long time. Apply fog while moving away from the treated area. Do not enter treated area until fog has dissipated.

**NOTE:** Refer to the Storage and Disposal section for containers over 1 gal; otherwise refer to the equivalent section on the 1 gal label.

### STORAGE AND DISPOSAL

**GENERAL:** Do not contaminate other materials (including water/food/feed) during transport, use, storage, and disposal. If damaged, leaking, or spilled, dispose of as below.

**STORAGE:** Keep in upright, tightly closed original container in a cool, dry, locked area inaccessible to children and away from sources of ignition, heat, degradation, and contamination (including flames, sparks, hot surfaces, sunlight, and other chemicals).

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (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. Rinsed plastic & paper-reinforced plastic containers may also be disposed of by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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