

PM-13

Reg # 279-3144

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

305509941
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21 OCT 1996

Mr. Michael Zucker
Registration and Labeling Specialist
FMC Corporation
1735 Market Street
Philadelphia, PA 19103

Dear Mr. Zucker:

Subject: Revised Statements of Practical Treatment
Astro Interior Insecticide
EPA reg. no. 279-3144
Your Application Dated 2/27/96

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following corrections. A stamped copy is enclosed for your records.

1. The precautionary statement for acute dermal toxicity on the product label states that this product is harmful if absorbed through skin. The label statement for acute dermal toxicity currently on the label is "IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists." This underlined portion of the statement is for toxicity category III for primary skin irritation and is incorrect for this product. The correct statement is:

"If On Skin: Wash with plenty of soap and water. Get medical attention."

2. The precautionary statements included the incorrect statement advising the user to "Avoid breathing dust". This was probably because the form of the product was unclear to the acute toxicity reviewer. As this product is a liquid, the precautionary statements should include the statement:

"Avoid breathing vapor or spray CONCURRENCES

SYMBOL							
SURNAME	Blackwell						
DATE	10/21/96						

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3. Change the statement "Not For Use In USDA Meat and Poultry Plants" to:
"Not For Use In Federally Inspected Meat and Poultry Plants."

Sincerely Yours,

George T. LaRocca
Product Manager 13
Insecticide-Rodenticide Branch
Registration Division (7505C)



Interior Insecticide

For Commercial Use Only

EPA Reg. No. 279-3144

EPA Est. 279-

Active Ingredient:	By Wt.
*Permethrin**	36.8%
Inert Ingredients***	63.2%
	100.0%

*(3-Phenoxyphenyl) methyl (±) cis-trans 3-(2,2-dichloroethyl)-2, 2-dimethylcyclopropanecarboxylate
 **cis/trans ratio: Max. 55% (±) cis and min. 45% (±) trans
 ***Contains petroleum distillates.

Contains 3.2 pounds permethrin per gallon

U.S. Patent No. 4,024,163

KEEP OUT OF REACH OF CHILDREN
CAUTION

See other panels for additional precautionary information.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Do not induce vomiting as it may cause aspiration pneumonia. Do not give anything by mouth to an unconscious person. Avoid alcohol.

IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

Note to Physician: This product contains aromatic hydrocarbons which can produce a severe pneumonitis if aspirated, consideration should be given to gastric lavage with an endotracheal tube in place. Treatment is controlled removal of exposure followed by symptomatic and supportive care.

For Emergency Assistance Call (800) 331-3148.

PRECAUTIONARY STATEMENTS
Hazards to Humans (and Domestic Animals)

CAUTION
Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust (vapor or spray mist). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ACCEPTED
with COMMENTS
in EPA Letter Dated

21 OCT 1996



FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

279-3144

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

Physical/Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

Shake well before using.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage

Store at temperatures above 40°F (5°C).

If separation occurs during storage, and less than entire contents of container are to be used, remix by inverting and shaking the container several times until contents are homogeneous.

If crystals have formed, warm to room temperature 70°F (21°C), by room heating only, and shaking occasionally until crystals dissolve and product appears uniform. Do not use external source of heat for warming container.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter, commercial clay or gel absorbents. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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.

Container Disposal

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

INTERIORSCAPES (including plants intended for aesthetic purposes in interior plantscapes or climate modifications)

GENERAL APPLICATION INSTRUCTIONS

Astro™ Interior Insecticide is a 3.2 pounds per gallon formulation of the insecticide permethrin. Apply Astro™ Interior when insects appear or feeding is noticed. The higher rate should be used as pest populations increase. Repeat the application as necessary to maintain control.

Astro™ Interior has demonstrated excellent plant safety; however, not all cultivars have been tested. Before treating large numbers of plants of a particular cultivar, treat a few plants and observe prior to full scale applications.

RECOMMENDED APPLICATION RATES

CROP	PEST	RECOMMENDED RATE	SPECIFIC INSTRUCTIONS
Ornamentals (including container grown foliage and flowering plants, woody and herbaceous non-edible ornamentals and non-bearing plants of fruiting species).	Bagworm Beet Armyworm Cabbage Looper Citrus Thrips Heliothis spp. Lace Bug Leafhoppers Leafminers Whiteflies	0.4 to 0.8 Fl. Oz per 10 Gals.	Apply sufficient volume of water to adequately cover foliage and bark. Use higher rate for moderate to high infestations. Direct application to blooms may cause browning of petals. Marginal leaf burn may occur on Salvia, Dieffenbachia and Pteris Fern.

ATTENTION

- Do not apply to pets, crops, or sources of electricity.
- Do not allow people or pets on treated surfaces until the spray has dried.
- Firewood is not to be treated.
- Apply only in well ventilated areas.
- Do not treat vegetation which may be consumed by waterfowl.
- Do not allow spray to contact food, foodstuffs, food contacting surfaces, food utensils or water supplies.
- Do not touch treated surface until dry.

Dealers Should Sell In Original Packages Only

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Terms of Sale or Use: On purchase of this product buyer and user agree to the following conditions:

Warranty: FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Use of Product: FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

Astro, U-Turn and FMC—Trademarks of FMC Corporation (1745-7/19/94)