

MATERIAL SAFETY DATA SHEET
AMDRO® Ant Block Home Perimeter Ant Spray Ready to Use

Manufacturer: Ambrands

Address: 2030 Powers Ferry Road, Ste. 500, Atlanta, GA 30339

Emergency Phone: 1-800-265-0761

Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

1. CHEMICAL PRODUCT INFORMATION

Product Name: AMDRO® Ant Block Home Perimeter Ant Spray Ready to Use

Chemical Name/Synonym: Mixture: active ingredient, deltamethrin
 [(S)-alpha-Cyano-3-phenoxybenzyl (1R)-cis-3-(2,2-Dibromovinyl)-2,2-dimethylcyclopropanecarboxylate]

EPA Registration No.: 71376-3-73342

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
Deltamethrin [(S)-alpha-Cyano-3-phenoxybenzyl (1R)-cis-3-(2,2-Dibromovinyl)-2,2-dimethylcyclopropanecarboxylate]	52918-63-5	0.02%	OSHA/ACGIH None established
Synthetic Pyrethroid			Mfg. TWA-TEL: 45µ/M3 Mfg STEL (15 minutes): 100 µ/m3
Inert Ingredients**		99.98%	

** Other ingredients, which are maintained as trade secrets, are any substances other than an active ingredient contained in this product. Some of these may be hazardous, but their identity is withheld because they are considered trade secrets. The hazards associated with the other ingredients are addressed in this document. Specific information on other ingredients for the management of exposure, spills, or safety assessments can be obtained by a treating physician or nurse by calling (877) 315-9819 (within the United States) or (651-632-6184 (outside the United States at any time.

3. HAZARD INFORMATION

EMERGENCY OVERVIEW
A SLIGHTLY VISCOUS OPAQUE LIQUID.

CAUTION: THIS PRODUCT IS EXTREMELY TOXIC TO FISH AND BEES.

POTENTIAL HEALTH EFFECTS

Acute Toxicity (Primary Routes of Exposure): Ingestion, eye and skin contact.

SIGNS AND SYMPTOMS OF SYSTEMIC EFFECTS

May cause irritation to eyes and skin. At very high doses of active ingredient; dizziness, headache, listlessness, nausea and vomiting, epigastric pain, muscular fasciculation of limbs, unconsciousness, convulsions and coma.

IMMEDIATE EFFECTS

Eye: May cause eye irritation.

Skin: May cause skin irritation. Skin contact may result in transient tingling and reddening of the skin.

Ingestion: May cause irritation if ingested.

Inhalation: Not an expected route of exposure for a gel formulation. If inhaled may cause irritation to nose and throat.

DELAYED/LONG TERM EFFECTS

CARCINOGENICITY: NTP: No IARC: No OSHA: No

4. FIRST AID MEASURES

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Get medical attention if irritation persists.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note to Physician: This product is a synthetic pyrethroid pesticide. If ingested and vomiting has not occurred, emesis should be induced with supervision. Keep patient's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.
Do not administer milk, cream or other substances containing vegetable or animal fats. These only enhance absorption of lipophilic substances. If localized paresthesia develops, the site should be thoroughly washed with soap and water. Cold cream can be applied to help diminish the effect.

5. FIRE FIGHTING MEASURES

NFPA Rating: Health: 1 Fire: 0 Reactivity: 0

Autoignition: n/a

Flash Point: >164°F >73°C

Flammability Limits Lower: unknown Upper: unknown

(% of Volume in air): Product contains > 99% water

Extinguishing Media: Use water, foam, carbon dioxide, or dry chemical.

Special Protective Equipment: Wear self contained, positive pressure breathing apparatus and full fire fighting protective clothing.

Fire Fighting Procedures: Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Cool containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors.

Combustion Products: Complete combustion produces oxides of carbon, nitrogen and water.

Unusual Fire/Explosion Hazards: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

6. ACCIDENTAL RELEASE MEASURES

Observe precautions in Section 8: Personal Protection

Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water.

GENERAL & DISPOSAL: Use proper protective equipment to minimize personal exposure. Take all necessary action to prevent and to remedy the adverse effect of the spill. Ensure that the disposal is in compliance with all Federal, Provincial, and local regulations (see Section 13 for applicable RCRA number). Refer to Section 15 for applicable Reportable Quantity (RQ) and other regulatory requirements.

LAND SPILL OR LEAK:

Containment: Soak up liquid with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. and dispose of in trash. Place in an approved chemical waste container for disposal. Do not allow spill material to enter any body of water.

Cleanup: Rinse spill area with small amount of soapy water. Contain and absorb the rinsate with inert absorbents and place into the same disposal container. Area can be washed with water to remove the last trace residue. Do not allow water to contaminate water suppliers or sewers.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Storage: Store product in original container in a cool, dry place out of reach of children. Protect from freezing. If freezing occurs, allow product to thaw and shake well before using.

8. EXPOSURE CONTROL / PERSONAL MEASURES

Eye Protection: Not required with normal use, unless label directs otherwise.

Ventilation: Use with adequate ventilation during formulation process.

Skin Protection: Not required with normal use, unless label directs otherwise.

Other/General Protection: Avoid contamination of feed and foodstuffs. Wash all food processing surfaces after treatment. Do not use in facility when in operation. Remove pets, birds and cover fish aquariums before spraying.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: A slight viscous opaque liquid with slight odor.

Boiling Point: N/A

Melting Point: N/A

Vapor Pressure (mm Hg): N/A

Vapor Density (Air = 1): N/A

Density/Bulk Density/ 0.9931 g/cm³ at 23°C 8.26 lb/gal at 23°C

Specific Gravity:

Solubility: Soluble in water

Evaporation Rate: N/A

pH: 5.4 @ 22.8°C

Viscosity: <1000 centipoise @24°C

Stability:	Stable
Oxidation/Reduction Properties:	Product does not have the potential to act as a strong oxidizing or reducing agent.
Incompatibility w/ Other Materials:	None known
Decomposition Products:	Thermal decomposition products may include carbon monoxide and carbon dioxide.
Hazardous Polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE (Product Specific Information): Acute toxicological data for this product was developed on a similar product containing 0.06% Deltamethrin.

Oral Toxicity (rat):	>5050 mg/kg
Dermal Toxicity (rabbit):	>5050 mg/kg
Inhalation Toxicity (rat):	>3.10 mg/kg
Eye Irritation (rabbit):	Non-irritant
Skin Irritation (rabbit):	Non-irritant
Skin Sensitization (guinea pig):	Non-sensitizer

TOXICITY OF ACTIVE INGREDIENT – DELTAMETHRIN:

CHRONIC/CARCINOGENICITY:

General neurological symptoms were exhibited in studies with rats, mice and dogs. These symptoms included unsteadiness, abnormal gait, tremors and liquid feces. No histopathologic findings were observed except some signs of slight hepatotoxicity in mice. No Observable Effect Levels hepatotoxicity in mice. No Observable Effect Levels (NOEL's) were 1 mg/kg/day in the 2 year rat and dog studies. The NOEL for the 2-year mouse study was approximately 12 mg/kg/day. Deltamethrin was not carcinogenic in rats or mice.

NEUROTOXICITY:

Deltamethrin does not inhibit acetylcholinesterase. Neurobehavioral effects including unsteadiness, excessive salivation, vomiting, liquid feces, uncoordinated movement, tremors, spasmodic convulsions which are typically related to Central Nervous System (CNS) stimulation, were observed in some studies. The NOEL for these studies was 1 mg/kg/day or higher.

REPRODUCTIVE/DEVELOPMENTAL:

No developmental effects were observed in studies with rats or rabbits in the absence of maternal toxicity. The developmental NOEL for the rat study was 3.3 mg/kg/day while the developmental NOEL for rabbits was 25 mg/kg/day. Reproduction studies with rats produced clinical signs, reduced body weight gain and mortality in parents and offspring at very high dosages. The NOEL for the parents and offspring was 80 ppm or approximately 4 to 12 mg/kg/day for adults and 18 to 44 mg/kg/day for offspring.

MUTAGENICITY:

No evidence of genotoxicity was observed in a battery of in vitro and in vivo studies.

12. ECOLOGICAL INFORMATION

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water. This product is highly toxic to bees exposed to direct treatment or residues on 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 area.

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: Check governmental regulations and local authorities for approved disposal of this material. Dispose in accordance with applicable laws and regulations governing disposal of pesticide products.

CONTAINER DISPOSAL: Use product until container is empty. Offer for recycling if possible. If recycling is not

available or if the container is not empty, wrap the container in several layers of paper and discard in the trash.

RCRA INFORMATION:

RCRA HAZARDOUS WASTE INGREDIENTS: None

14. TRANSPORT INFORMATION

D.O.T. PROPER SHIPPING NAME: Not DOT Regulated

RQ: NA

D.O.T. HAZARD CLASS: NA

U.N./N.A. NUMBER: NA

REMARKS: NA

EXEMPTION REQUIREMENT: NA

15. REGULATORY INFORMATION

REGULATIONS UNDER FIFRA: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

U.S. FEDERAL REGULATORY INFORMATION

EPA Registration Number: 73049-185

OTHER U.S. FEDERAL REGULATIONS:

SARA TITLE III:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

CAS NUMBER	INGREDIENT NAME	PERCENT BY WEIGHT
	None	

SARA Title III:

Immediate Health Effects: Yes
Chronic Health Effects: No
Fire Hazard: No
Sudden Release of Pressure: No
Reactivity Hazard: No

REGULATED INGREDIENTS

INGREDIENT: Deltramethrin
CAS NUMBER: 52918-63-5
PERCENT BY WEIGHT: = 0.02
Regulations: European Inventory of Existing Commercial Substances (EINECS)

U.S. STATE REGULATORY INFORMATION

CALIFORNIA (Proposition 65): This product contains trace amounts of benzene (0.0006%) which is know to the State of California to cause cancer, birth defects or other reproductive harm.

STATE REGULATIONS: Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list of all regulations. Therefore, the user should consult state or local authorities.

HMIS HAZARD RATING -HEALTH: 1 Slight
-FIRE: 0 Moderate
-REACTIVITY: 0 Negligible
-PROTECTION: B

NFPA HAZARD RATING -HEALTH: 1 Slight

-FIRE: 0 Moderate
-REACTIVITY: 0 Negligible
-SPECIAL: -

RATINGS:

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4).

These values are obtained using professional judgment. Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with the information contained in the product MSDS.

* RQ: Reportable Quantity

** RCRA waste codes must be determined on a case-by-case basis (i.e., spill, processing waste, etc.).

For information regarding potential adverse health effects from exposure to this product, refer to Sections 3 and 11.

16. OTHER INFORMATION

REASON FOR ISSUE: Corrected typo on product name
REVISION NUMBER: 1
REVISION DATE: 08/25/2006
SUPERSEDES DATE: 03/10/2004
EPA REGISTRY NUMBER: 73049-185
MSDS NUMBER: ENV-0074

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.

THE INFORMATION IN THIS MSDS IS BASED ON DATA AVAILABLE TO US AS THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. CONTACT AMBRANDS TO CONFIRM IF YOU HAVE THE MOST CURRENT MSDS.

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