

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 04/26/2002

MSDS No: 7136

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Ortho® HomeDefense® Indoor Insect Killer Ready-To-Use**PRODUCT DESCRIPTION:** Insecticide

MANUFACTURER

The ORTHO Group
P.O. Box 1749
Columbus, OH 43216

24 HR. EMERGENCY TELEPHONE NUMBERS

Emergency Phone: 1-800-225-2883**EPA REG. NO.:** 45987-2-239 **PN:** 7075

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
d-Limonene	4.02	5989-27-5
Gamma Lactone	0.02	104-67-0
Peach Aldehyde	0.05	104-67-6
Other Ingredients	95.91	

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS:

CAUTION: Contains mineral spirits-Do not use near heat or open flame.

KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation and conjunctivitis.**SKIN:** Substance may cause skin irritation in sensitive individuals. Avoid contact with open cuts or sores.**INGESTION:** Ingestion may cause gastric irritation.**INHALATION:** This substance may be irritating to the respiratory tract if inhaled.

4. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present,

after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: Product contains a significant amount of petroleum distillate, therefore ingestion of this material or subsequent vomiting can result in aspiration which can cause chemical pneumonitis.

COMMENTS: See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2000-3 April 11, 2000 - and would apply in the event a product label is not immediately available.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: >140°F TAG CC

EXTINGUISHING MEDIA: CO₂, Dry Chemical, Foam, Water Fog.

HAZARDOUS COMBUSTION PRODUCTS: Under combustion, this product may decompose to give off toxic gases such as carbon monoxide and carbon dioxide.

EXPLOSION HAZARDS: None known

FIRE FIGHTING PROCEDURES: Evacuate area. Flood with water to cool containers. Apply water from a safe distance. Wear self-contained breathing apparatus to fight large fires.

FLASHPOINT: Combustion not sustained - Test Method: ASTM D-4206.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Soak up spilled material with paper towels and discard in trash.

LARGE SPILL: Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgite, bentonite or other absorbent clays. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water. For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions. Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of.

GENERAL PROCEDURES: Observe all protection and safety precautions when cleaning up spills -- see Section 8. "EXPOSURE CONTROLS/PERSONAL PROTECTION".

7. HANDLING AND STORAGE

GENERAL PROCEDURES: READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Do not use on household pets or humans.

HANDLING: Carefully follow label instructions for handling. Avoid contact with skin and eyes. Wash contaminated skin with soap and water after handling. Avoid container breakage.

STORAGE: Follow product label storage recommendations. Store in a cool, dry place away inaccessible to children and pets, away from heat, open flame, or other ignition sources. Do not contaminate feed or foodstuffs with product.

STORAGE TEMPERATURE: 50-90°F

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Read and observe label instructions for exposure controls/personal protection. No special ventilation is required under normal use conditions. However, if workplace operating conditions create airborne concentrations which exceed the recommended exposure standards (in Section 8), then special ventilation may be required.

PERSONAL PROTECTION

EYES AND FACE: Follow label precautions for product application. Avoid contact with eyes. Where there is potential for eye contact under manufacturing conditions, wear chemical goggles and have eye wash equipment available.

SKIN: Follow label precautions for skin protection. Avoid contact with skin and clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

RESPIRATORY: This material may be an industrial inhalation hazard and, unless ventilation is adequate, the use of approved respiratory protection is recommended. Follow label application instructions and avoid breathing vapors.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, DRINK, OR APPLY COSMETICS IN THE WORK AREA. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, using tobacco or the toilet.

COMMENTS: OSHA Permissible Exposure Limit - 400 ppm.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
d-Limonene	None	None	None
Gamma Lactone	None	None	None
Peach Aldehyde	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: Clear liquid

VAPOR PRESSURE: < 1 mm Hg @ 25°C

VAPOR DENSITY: ~4.5 (Air=1)

BOILING POINT: 365°F

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 0.800

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Avoid contact with strong oxidizers.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Eye irritation clearing in 48 hours.

DERMAL LD₅₀: >5050 mg/kg body weight (rabbit).

ORAL LD₅₀: No product toxicology data available.

INHALATION LC₅₀: Acute LC50-4 (rats) >2.53 mg/L air.

SENSITIZATION: No product data available. d-Limonene is a known skin sensitizer (The Merk Index, p865, 1989).

CARCINOGENICITY:

CARCINOGENICITY COMMENTS: None of the ingredients present in this product at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH, as being carcinogens.

COMMENTS: Acute toxicology information provided by ENVIROMAN, Inc., MSDS for EPA 45987-2-67689.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: No data available. Although the ingredients of this product are not considered to be a threat to fish or wildlife, keep product out of water sources.

13. DISPOSAL CONSIDERATIONS

FOR LARGE SPILLS: Material collected that cannot be reprocessed should be disposed of in a landfill approved

for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

PRODUCT DISPOSAL: Carefully follow all label directions and precautions. If necessary to dispose of partially filled container, then securely wrap it in several layers of newspaper and discard in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not DOT regulated

SPECIAL SHIPPING NOTES: The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

TITLE III NOTES: Product contains no SARA Title 313 chemicals that exceed the reporting limits.

CARCINOGEN: d-Limonene has been designated as a Group 3 carcinogen by the U.S. EPA (not classifiable as to its carcinogenicity to humans); IARC Monographs, 1999.

16. OTHER INFORMATION

NFPA CODES

FIRE: 2 HEALTH: 1 REACTIVITY: 0

APPROVAL DATE: 09/13/2002

REVISION SUMMARY Revision #: 1

This MSDS replaces the April 26, 2002 MSDS. Any changes in information are as follows:

In Section 5

Flash Point

ADDITIONAL MSDS INFORMATION: NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

GENERAL STATEMENTS: This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

COMMENTS: Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

MANUFACTURER DISCLAIMER: The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be

liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.