

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 02/20/2001

MSDS No: 7077

ORTHO® Indoor Insect Fogger

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORTHO® Indoor Insect Fogger

PRODUCT DESCRIPTION: Fogger

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.: 239-2626B PN: 1000-112C

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Pyrethrum	0.05	8003-34-7
Permethrin	0.4	52645-53-1
MGK 264 Insecticide Synergist, N-octyl bicycloheptene dicarboximide	0.4	113-48-4
INERT INGREDIENTS	~99.15	

"Inert Ingredients" is a term defined by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide, and Rodenticide Act (40 CFR 158.153). It refers to any substance, other than an active ingredient, which is intentionally added to a pesticide product. Some inert ingredients may be hazardous chemicals, as defined by the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards associated with these inert ingredients have been included in this document.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear light yellow liquid in aerosol container

IMMEDIATE CONCERNS: HARMFUL IF SWALLOWED
CAUSES EYE IRRITATION
AVOID CONTACT WITH EYES, SKIN, OR CLOTHING
AVOID BREATHING DUST
KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYES: Eye contact may cause discomfort, tearing, swelling, redness, and blurred vision. See Toxicology Information, section 11.

SKIN: This substance is not expected to cause prolonged or significant skin irritation. If absorbed through the skin, this substance is considered practically non-toxic to internal organs. See Toxicological Information, section 11.

INGESTION: Ingestion may cause irritation of the digestive tract which may include nausea, vomiting, and diarrhea. If swallowed, this substance is considered practically non-toxic to internal organs. See Toxicological Information, section 11.

INHALATION: This substance is slightly toxic to internal organs if inhaled. The degree of injury will depend on the airborne concentration and duration of exposure. This substance may be irritating if inhaled. See Toxicological Information, section 11.

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.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 165°F TAG CC

FLAMMABLE CLASS: N.F.P.A (Code 30B) Level I Aerosol

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

FIRE FIGHTING PROCEDURES: Smoke from fires involving this material may present unusual hazards. Avoid breathing smoke and mists. Avoid contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Read the entire document.

6. ACCIDENTAL RELEASE MEASURES

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

LARGE SPILL: Eliminate all sources of ignition in vicinity of spill or released vapor.

Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgate, bentonite or other absorbent material. 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.

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

7. HANDLING AND STORAGE

GENERAL PROCEDURES: READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. Store in accordance with NFPA 30B for a Level I aerosol. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. CONTAINER UNDER PRESSURE. Exposure to heat or prolonged exposure to sun may cause container to burst. Do not puncture, incinerate or store above 130°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: No special ventilation is normally required. However, if 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: For application of product in accordance with label instructions, no special eye protection is needed.

Handling of the product is not likely to present an eye exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling which could cause eye contact, workers should wear goggles or a face shield.

SKIN: No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing. Wash thoroughly with soap and water after handling.

RESPIRATORY: Handling of the product is not likely to present an airborne exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling which produces a heavy mist, workers should put on respiratory protection equipment. Consult respirator manufacturer to determine appropriate type of equipment. Observe respirator use limitations specified by NIOSH MSHA or the manufacturer.

For application of product in accordance with label instructions, no special respiratory protection is required.

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>
Pyrethrum	5 mg/m ³	5 mg/m ³	None
Permethrin	None	None	None
Propane/Isobutane	(Asphyxiant) 1800 mg/m ³	None	None
Aromatic Hydrocarbon Blend	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Aerosol

ODOR: Slight solvent odor.

APPEARANCE: Clear light yellow liquid in aerosol container

SOLUBILITY IN WATER: Miscible with water.

DENSITY: 8.13 at 22°C

SPECIFIC GRAVITY: 0.975 at 22°C

VISCOSITY: 2875cps (Brookfield) at 20°C

COMMENTS:

pH: 6.75 @ 4% Solution in water.

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Avoid contact with temps. above 130F. Contents under pressure.

HAZARDOUS DECOMPOSITION: Exposure to heat or strong oxidizers may produce chlorine and hydrogen chloride.

INCOMPATIBLE MATERIALS: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: This product when tested in the eyes of rabbits demonstrated a low degree of irritation. All eyes were normal by day 4 except one animal that demonstrated slight conjunctivitis through day 7. All eyes were normal on day 14.

DERMAL LD₅₀: This product has demonstrated a low degree of skin irritation when applied to the skin of rabbits. The primary irritation scores for two tests were 0.54/8.0 and 1.62/8.0.

The product did not demonstrate any skin sensitization potential in the Modified Buehler Guinea Pig Skin Sensitization study.

The product demonstrated a low degree of dermal systemic toxicity. The dermal acute LD50 is greater than 2.0 gm/kg.

ORAL LD₅₀ : ACUTE EFFECTS: This product has demonstrated a low degree of systemic toxicity. The acute oral LD50 is greater than 5.0 gm/kg.

INHALATION LC₅₀ : ACUTE EFFECTS: This product has a low order of inhalation toxicity. The acute inhalation LC50 is greater than 5.98 mg/l as determined in a 4-hour rat inhalation exposure study.

CARCINOGENICITY:

IARC: Permethrin, one of the active ingredients in this product, has been designated as a possible human carcinogen (Group C) by the U.S. EPA.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available.

ECOTOXICOLOGICAL INFORMATION: No data available.

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 a partially filled product container, secure cap and discard in the trash. Do not incinerate, puncture, or discard in home trash compactor.

EMPTY CONTAINER: If recycling is not available, replace cap, wrap container and discard in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: ORM-D

UN/NA NUMBER: None

PACKING GROUP: No

U.S. SURFACE FREIGHT CLASS: NMFC NBR. 102120

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)**

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE: YES	CHRONIC: NO	FIRE: YES	REACTIVITY: NO	PRESSURE GENERATING: YES

313 REPORTABLE INGREDIENTS: Permethrin. (CAS 52645-53-1) De Minimis Concentration for Section 313 of EPCRA is 1.0%.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Pyrethrins = 1 Lb.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All non FIFRA regulated components are on the US EPA's TSCA Inventory List.

16. OTHER INFORMATION**HMIS CODES**

FIRE: 4 HEALTH: 1 REACTIVITY: 0 PROTECTION:

NFPA CODES

FIRE: 4 HEALTH: 1 REACTIVITY: 0 SPECIAL:

APPROVAL DATE: 02/20/2001

REVISION SUMMARY New MSDS

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