

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 04/06/2001



MSDS No: 7078

ORTHO® Hornet & Wasp Killer 4

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORTHO® Hornet & Wasp Killer 4

PRODUCT DESCRIPTION: Insecticide (Aerosol)

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.: 42697-42-239 PN: 01098

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Tetramethrin	0.2	7696-12-0
Phenothrin, Sumithrin	0.2	26002-80-2

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear liquid

IMMEDIATE CONCERNS: Causes moderate eye irritation.

Avoid contact with eyes, skin or clothing.

Harmful if inhaled. Avoid breathing vapor.

Contents under pressure.

Keep out of reach of children.

POTENTIAL HEALTH EFFECTS

EYES: The eye irritation of this formulation has been determined on a similar ORTHO formulation. Eye contact may result in slight to moderate eye irritation, e.g. discomfort, redness, swelling and blurred vision. See Toxicology Information, section 11.

SKIN: The skin irritation of this formulation has been determined on a similar ORTHO formulation. Skin contact may result in moderate skin irritation, e.g. discomfort, redness, swelling and possibly blistering. This product is considered to be practically non-toxic to internal organs if it gets on the skin. See Toxicology Information, section 11.

INGESTION: This substance may be slightly toxic to internal organs if swallowed. The degree of injury will depend on the amount absorbed from the gut. This product contains a petroleum distillate. Petroleum distillates have a low viscosity and can be aspirated into the lungs either during swallowing or vomiting of the product. See Toxicology Information, section 11.

INHALATION: The inhalation toxicity of this substance has been determined on a similar ORTHO product. However, it may be 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. Respiratory tract irritation may include, but not be limited to, one or more of the following: nasal discharge, sore throat, coughing, bronchitis and difficulty in breathing. See Toxicology 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.

NOTES TO PHYSICIAN: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None

EXTINGUISHING MEDIA: CO₂, dry chemical, foam, and water fog .

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

FIRE FIGHTING PROCEDURES: Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment 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. Keep containers cool with a water spray. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and fire fighting equipment before reuse. 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 attapulgite, 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.

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. Store in a cool, dry place (preferably locked) inaccessible to children and pets, ad away from heat, open flame or other sources of ignition.

STORAGE TEMPERATURE: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130F may cause bursting. Incineration of container may cause explosion. DO NOT USE IN OR AROUND ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use this material only in well ventilated areas.

PERSONAL PROTECTION

EYES AND FACE: Wear chemical safety goggles to prevent eye contact during operations such as mixing or transfer or other activities when there is potential for eye contact.

SKIN: Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Applicators and other handlers must wear: long sleeved shirt, long pants and shoes with socks. Wash hands and contaminated skin thoroughly after handling. Follow manufacturer's instructions for cleaning /maintining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

RESPIRATORY: Avoid breathing vapor or mist. This product is not likely to pose an airborne exposure concern when handled and used in accordance with label instructions.

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>
Tetramethrin	None	None	None
Sumithrin	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Aerosol

ODOR: Slight insecticide odor.

APPEARANCE: Clear liquid

pH: 7.5

VAPOR PRESSURE: >700

VAPOR DENSITY: 2.14 (Air=1)

BOILING POINT: 212°F

SOLUBILITY IN WATER: Soluble

DENSITY: 0.975

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

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

HAZARDOUS DECOMPOSITION: Thermal decomposition products may include normal combustion forms of carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

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

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: No product toxicology data available. The hazard evaluation found in section 3, was based on data from similar materials.

DERMAL LD₅₀: No product toxicology data available. The hazard evaluation found in

section 3, was based on data from similar materials.

ORAL LD₅₀: No product toxicology data available. The hazard evaluation found in section 3, was based on data from similar materials.

INHALATION LC₅₀: No product toxicology data available. The hazard evaluation found in section 3, was based on data from similar materials.

CARCINOGENICITY:

CARCINOGENICITY COMMENTS: The active ingredients in this product are not considered to be carcinogens.

NEUROTOXICITY: Neurotoxicology investigations indicate that active ingredients in this product have not been associated with delayed neuropathy.

REPRODUCTIVE TOXIN: The active ingredients in this product have not been associated with adverse teratological (birth defects) or adverse reproductive effects.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available.

ECOTOXICOLOGICAL INFORMATION: This material is highly toxic to fish. Keep out of any body of water. Do not contaminate water used for irrigation or domestic purposes. Do not contaminate water by cleaning of equipment or disposal of wastes.

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: If necessary to dispose of partially filled product container, securely wrap it in several layers of newspaper and discard in trash.

GENERAL COMMENTS: This container may be recycled in the few but growing number of communities where (steel) aerosol can recycling is available. Before offering for recycling, empty the can by using the product according to the label. (DO NOT PUNCTURE) If recycling is not available, wrap the container and discard in the 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:** NONE**AIR (ICAO/IATA)****PROPER SHIPPING NAME:** Consumer Commodity

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: NO	REACTIVITY: NO	PRESSURE GENERATING: YES

313 REPORTABLE INGREDIENTS: SUMITHRIN (CAS 26002-80-2).
TETRAMETHRIN (CAS 7696-12-0) De Minimis Concentration for Section 313 is 1.0%.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

16. OTHER INFORMATION**NFPA CODES**

FIRE: 0 HEALTH: 1 REACTIVITY: 0 SPECIAL: -

APPROVAL DATE: 04/06/2001

REVISION SUMMARY New MSDS

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.