

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 05/21/2003
MSDS No: 7175

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORTHO® Hornet & Wasp Killer5
PRODUCT DESCRIPTION: Insecticide (Aerosol)

MANUFACTURER

The ORTHO Group
P.O. Box 190
Marysville, OH 43040

EPA REG. NO.: 1021-1784-239 **PN:** 7089

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
Emergency Phone: 1-800-225-2883

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Tetramethrin	0.1	7696-12-0
Sumithrin (Phenothrin)	0.1	26002-80-2
Other Ingredients	99.8	

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: CAUTION: Contents under pressure-keep away from heat and open flame. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors. Avoid contact with eyes, skin or clothing. KEEP OUT OF REACH OF CHILDREN.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: Substance may cause slight skin irritation. 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: Contains pyrethroids and petroleum distillates; vomiting may cause aspiration pneumonia. For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate, (vitamin E).

COMMENTS: See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2001-1, January 2, 2001, and would apply in the event a product label is not immediately available.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: No Data Available

FLAMMABLE CLASS: Classified as Non-Flammable (Flame Extension Test Method, 16 CFR, 1500.45); N.F.P.A. (Code 30B) Level I Aerosol.

EXTINGUISHING MEDIA: CO2, dry chemical, or foam.

HAZARDOUS COMBUSTION PRODUCTS: Product may support combustion and decompose giving off toxic gases of carbon monoxide, carbon dioxide, and nitrogen oxides.

EXPLOSION HAZARDS: Container may explode in heat of fire.

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.

6. ACCIDENTAL RELEASE MEASURES

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

LARGE SPILL: Remove ignition sources. Dike or contain release. Keep vapors at a minimum. Collect product into suitable sized containers or drums. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

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 near heat, open flame or any ignition source. Do not use around electrical equipment due to possible electrical shock hazard. Do not store near flame, sparks or hot surfaces. CONTAINER UNDER PRESSURE. Exposure to temperatures above 130° F may cause bursting. Do not puncture, incinerate, or store above 130°F.

HANDLING: READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE LABEL. Take precautions to avoid contact with skin, eyes, and clothing. Avoid breathing vapors or mist. Mechanical ventilation should be used when handling product in enclosed spaces. Respirator protection not normally required when handling product as directed, but is recommended in the absence of proper ventilation.

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: Do not store above 130 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: The ACGIH Threshold Limit Values (TLV) for nuisance (inert) dusts containing <1% crystalline silica and no asbestos are: 10 mg/m³ inhalable particulates and 3 mg/m³ respirable particulate. The OSHA TLV is 15 mg/m³ total dust, 5 mg/m³ respirable fraction. Material exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures.

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 (Phenothrin)	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Pressurized liquid
PERCENT VOLATILE: Less than 6%
SOLUBILITY IN WATER: Partially miscible in water
SPECIFIC GRAVITY: 0.980
VISCOSITY: 1740CPS at 24C Brookfield on non-volatiles

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

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

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

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Eye irritation clearing by 24 hours.

DERMAL LD₅₀: The dermal LD₅₀ in rabbits is greater than 5 g/kg.

ORAL LD₅₀: >5.0 g/kg.

INHALATION LC₅₀: Toxicity Category III, CAUTION, mildly toxic

SENSITIZATION: Guinea pig - Not considered to be a dermal sensitizer.

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 MGK, McLaughlin Gormley King Company, MSDS Ref. No. 020863, MULTICIDE® Wasp & Hornet Spray, 20863, 5/20/2003.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This material is toxic to fish and aquatic invertebrates. Do not apply directly to water. 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: Carefully follow all label directions and precautions. If empty: Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: ORM-D

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	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%.

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

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: 1 HEALTH: 2 REACTIVITY: 1

APPROVAL DATE: 05/21/2003

REVISION SUMMARY New MSDS

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.