

**MATERIAL SAFETY DATA SHEET**DATE PREPARED: 01/24/2005  
MSDS No: 017531036**1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: ORTHO® Bug-B-Gon® MAX® Lawn &amp; Garden Insect Killer1 Concentrate

**MANUFACTURER**The ORTHO Group  
P.O. Box 190  
Marysville, OH 43040**24 HR. EMERGENCY TELEPHONE NUMBERS**CHEMTREC (U.S.): (800) 424-9300  
Emergency Phone: 1-800-225-2883

EPA REG. NO.: 239-2685 PN: S11830

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Bifenthrin	0.3	82657-04-3
Other Ingredients	99.7	

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****IMMEDIATE CONCERNS:** CAUTION: Do not apply this product to humans or animals. Keep out of reach of children.**POTENTIAL HEALTH EFFECTS****EYES:** This substance is not expected to cause prolonged or significant eye irritation.**SKIN:** Not expected to cause skin irritation.**INGESTION:** Possible nausea.**INHALATION:** This substance may be irritating to the respiratory tract if inhaled.**MEDICAL CONDITIONS AGGRAVATED:** Inhalation may aggravate asthma.**ROUTES OF ENTRY:** Skin, eyes, inhalation, ingestion.**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.**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:** None

**EXTINGUISHING MEDIA:** Use CO2, Dry Chemical or Foam extinguishing media.

**HAZARDOUS COMBUSTION PRODUCTS:** Heating this material may generate carbon monoxide, carbon dioxide, hydrogen chloride and hydrogen fluoride.

**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. 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:** While wearing rubber gloves, soak up spilled material with paper towels and discard in trash.

**LARGE SPILL:** Dike or contain release. Keep material out of lakes, streams, ponds, and sewer drains. Large spills should be covered to prevent dispersal. Absorb with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel, or pump all waste material, including absorbent, into drums and label contents for disposal. Clean spill area of residues and absorbent.

**7. HANDLING AND STORAGE**

**STORAGE:** Keep product in original container. Do not put into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area. Keep away from children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** No special ventilation is necessary under normal product use conditions. However, if workplace operating conditions create high airborne concentrations of the material, special ventilation may be needed to reduce levels below OSHA exposure limits.

**PERSONAL PROTECTION**

**EYES AND FACE:** For application of product in accordance with label instructions, no special eye protection is needed. Handling of this product during manufacturing or in the event of an accidental discharge of the material which could cause eye contact, workers should wear goggles or a face shield.

**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:** 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>
Bifenthrin	None	None	None

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**APPEARANCE:** Translucent emulsion.

**COLOR:** Slightly yellow.

**pH:** ~7.0 to 7.5

**SOLUBILITY IN WATER:** Miscible with water.

**SPECIFIC GRAVITY:** 1.0226 to 1.0246

**10. STABILITY AND REACTIVITY**

**STABLE:** YES

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**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** DO NOT APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** Minimally irritating (rabbit).

**DERMAL LD<sub>50</sub>:** >10,000 mg/kg (rat).

**ORAL LD<sub>50</sub>:** >5000 mg/kg (rat).

**INHALATION LC<sub>50</sub>:** 8.91mg/L, 4-hr. (rat).

**SKIN EFFECTS:** Non-irritating to skin.

**SENSITIZATION:** Guinea pig - no evidence of allergic skin reactions.

### CARCINOGENICITY:

**IARC:** No

**NTP:** No

**OSHA:** No

**CARCINOGENICITY COMMENTS:** The EPA has classified bifenthrin as Group C - Possible Human Carcinogen.

**COMMENTS:** Acute toxicology information provided by FMC Corporation, Philadelphia, PA 19193, 0.3% Talstar® ME Insecticide-Miticide, FMC 54800, 2/27/96.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this product or allow it to drift to blooming plants if bees are visiting the treatment area.

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## 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:** Call local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any drain.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated

**U.S. SURFACE FREIGHT CLASS:** Insecticides, Fungicides, Insect or animal repellents or vermin exterminators, NOI, Other than poison

**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.

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## 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: NO

**STATE REGULATIONS**

**CALIFORNIA PROPOSITION 65:** No ingredients on list.

**GENERAL COMMENTS:** Contact local authorities for disposal of large quantities of unused product.

**16. OTHER INFORMATION**

**HMS CODES**

**FLAMMABILITY: 0 HEALTH: 1 PHYSICAL HAZARD: 0**

**NFPA CODES**

**FIRE: 0 HEALTH: 1 REACTIVITY: 0**

**APPROVAL DATE:** 01/26/2005

**REVISION SUMMARY** New MSDS

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

**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.

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