



# MATERIAL SAFETY DATA SHEET

10# 125719

Date stamp: 03-Sep-2008

MSDS Ref. No.: 019301009

Revision Number: 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** ORTHO® Home Defense® MAX™ Outdoor Perimeter Insect Killer Ready Spray®  
**Description:** Insecticide

**Company**  
The Scotts Company LLC  
14111 Scottslawn Road  
Marysville, OH 43041

**24-HOUR EMERGENCY TELEPHONE NUMBERS:**  
CHEMTREC (U.S.): 1-800-424-9300  
CHEMTREC (International): 1-703-527-3887  
Non-Emergency Calls: 1-937-644-0011

**EPA Registration No.:** 239-2698  
**Formula No.:** S11830  
**Product Number(s):** 019301009

125719 Part# 0193010  
HOME DEFENSE MAX, HOSE END, 32OZ  
1455 SCOTTS CO. 8  
Buyer: Jim Hebberecht

## 2. HAZARDS IDENTIFICATION

### Labelling

**Signal word:** No signal word  
**Precautionary Statements:** Keep out of reach of children and domestic animals.

### Potential health effects

**Eye contact:** Contact with eyes may cause irritation.  
**Skin contact:** May cause skin irritation in susceptible persons.  
**Ingestion:** Considered practically non-toxic. Possible gastrointestinal tract irritation.  
**Inhalation:** Considered practically non-toxic. May cause irritation of respiratory tract.

**Aggravated Medical Conditions:** Inhalation may aggravate asthma.  
**Principle routes of exposure:** Skin, Eyes, Inhalation, Ingestion  
**Target organ effects:** Irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Inert Ingredients	PROPRIETARY	99.7
Bifenthrin	82657-04-3	0.3

## 4. FIRST AID MEASURES

**Eye contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice

**Skin contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice

**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not 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

**Flammable properties:** Non-combustible.  
**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical, chemical foam.  
**Explosion potential:** None.  
**Hazardous combustion products:** Toxic fumes may be produced.  
**Fire fighting procedures:** Select appropriate method to surround and extinguish fire.

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**5. FIRE-FIGHTING MEASURES**

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Wear personal protective equipment  
**Environmental precautions:** Prevent product from entering drains  
**Methods for containment:** Control spill with dykes and absorb with inert absorbant material  
**Methods for cleaning up:** Detergent and water.

**7. HANDLING AND STORAGE**

**Handling:** Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing.

**Storage:** Store in original container in a safe place. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Protect from freezing.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components	ACGIH:	OSHA:
Bifenthrin	Not Listed	Not Listed

**Engineering controls** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard

**Personal Protective Equipment**

**Eye/face protection** Safety glasses with side shields or goggles.  
**Skin and body protection:** Lightweight protective clothing.  
**Respiratory protection:** If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection, e.g., NIOSH/MSHA approved respirator for dusts, mists, and fumes.

**General hygiene considerations:** Wash hands before breaks and immediately after handling the product

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b> Liquid	<b>Color:</b> Light yellow
<b>Flash point:</b> Does not flash	<b>Appearance:</b> Clear
<b>pH:</b> 7.0 - 7.5	<b>Solubility:</b> Water solubility, Soluble
<b>Specific gravity:</b> 1.0226-1.0246	

**10. STABILITY AND REACTIVITY**

**Chemically Stable:** Yes  
**Conditions to avoid:** Extreme heat. Application on electrical equipment.  
**Materials to avoid:** None known.  
**Hazardous decomposition products:** Toxic fumes and gases may be generated.  
**Possibility of hazardous reactions:** Poses little or no immediate hazard.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

**LD50/oral:** >5.0 g/kg, rat  
**LD50/dermal:** >10.0 g/kg, rat  
**LC50/inhalation:** >8.91 (vapor), mg/L, rat  
**Eye effects:** Mild eye irritation, rabbit  
**Skin effects:** Non-irritating to the skin, rabbit  
**Sensitization:** No sensitization, guinea pig

**Chronic toxicity**

**Carcinogenic effects:** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	NTP:	IARC:	OSHA:
Bifenthrin	Not listed	Not listed	Not listed

**Ingestion:** Ingestion may cause irritation to mucous membranes.  
**Inhalation:** May cause irritation of respiratory tract.  
**Target organ effects:** Irritation.  
**Other information:** May produce temporary skin sensations such as numbness, burning, or tingling that subside within 12 hours.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects:** Extremely toxic to fish and aquatic invertebrates.  
**Persistence and degradability:** Inherently biodegradable.  
**Bioaccumulative potential:** Not determined.  
**Mobility:** Water contaminating.  
**Aquatic toxicity:** Toxic to fish and other water organisms.  
**Additional ecological information:** Toxic to bees. Do not spray plants in flower or those in which bees are actively foraging. Do not contaminate water sources when disposing of equipment washwaters. Do not apply directly to lakes, streams, or ponds.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Read and follow label instructions. If partially filled, call the local solid waste agency for disposal instructions. Do not place product down any indoor or outdoor drain.  
**Contaminated packaging:** Read and follow label instructions. If empty, place in trash or offer for recycling if available.

**14. TRANSPORT INFORMATION**

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

**DOT (Land)** Not DOT regulated  
**DOT (AIR)** Not DOT regulated  
**DOT (Vessel)** Not DOT regulated

**15. REGULATORY INFORMATION**

Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Bifenthrin	82657-04-3	Not Listed	Not Listed

**General Information** Contact local authorities for disposal of large quantities of product

**16. OTHER INFORMATION**

**NFPA:** Health: 1 Flammability: 0 Reactivity: 0  
**HMIS:** Health: 1 Flammability: 0 Reactivity: 0

**Hazard Rating:** 0=Least; 1-Slight; 2=Moderate; 3=High; 4=Severe

**EPA FIFRA Comment:** 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.

**General comment:** 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.

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