



# MATERIAL SAFETY DATA SHEET

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** ORTHO® Bug-B-Gon® MAX® Lawn & Garden Insect Killer 1 Concentrate  
**Description:** Insecticide

**Company**  
The Scotts Company  
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.:** 239-2685  
**Formula No.:** S11830

## 2. HAZARDS IDENTIFICATION

### Labelling

**Signal word:** CAUTION  
**Precautionary Statement**  
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 nontoxic. 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 %
Bifenthrin	82657-04-3	0.3
Inert Ingredients	PROPRIETARY	99.7

## 4. FIRST AID MEASURES

**Eye contact:** Hold eye open and rins 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.  
**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

<b>Personal precautions:</b>	Wear personal protective equipment
<b>Environmental precautions:</b>	Prevent product from entering drains
<b>Methods for containment:</b>	Control spill with dykes and absorb with inert absorbant material
<b>Methods for cleaning up:</b>	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

<b>Eye/face protection:</b>	Safety glasses with side shields or goggles.
<b>Skin and body protection:</b>	lightweight protective clothing.
<b>Respiratory protection:</b>	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>Appearance:</b>	Clear
<b>Color:</b>	Light yellow	<b>pH:</b>	7.0 - 7.5
<b>Solubility:</b>	Water solubility, Soluble	<b>Specific gravity:</b>	1.0226-1.0246
<b>Flash point:</b>	Does not flash		

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

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

### Chronic toxicity

**Carcinogenic effects:** The table below indicates whether each agency has listed any indgredient 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:** Does not bioaccumulate.  
**Mobility:** Water contaminating.  
**Aquatic toxicity:** Toxic to fish and other water organisms.  
**Additional ecological information:** 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 or 1-800-CLEANUP 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**  
**Proper shipping name:** Not 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.

**Revision date:** (invalid date)

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