



# MATERIAL SAFETY DATA SHEET

Date stamp: 30-Apr-2010

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Revision Number: 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** ORTHO® Home Defense MAX® Bedbug Killer (Aerosol)  
**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.:** 1021-1767-239

## 2. HAZARDS IDENTIFICATION

### Labelling

**Signal word:** CAUTION

### Precautionary Statements

Harmful if absorbed through the skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before re-use. Keep out of reach of children.

### Potential health effects

**Eye contact:** Contact with eyes may cause irritation.

**Skin contact:** Irritation possible.

**Ingestion:** Ingestion may cause irritation to mucous membranes.

**Inhalation:** May irritate respiratory tract tissues.

**Aggravated Medical Conditions:** Inhalation may aggravate asthma.

**Principle routes of exposure:** Skin, Eyes, Inhalation

**Target organ effects:** Irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Other Ingredients	No CAS#	98
MGK 264, N-octyl bicycloheptene dicarboximide	113-48-4	1.6
Sumithrin (Phenothrin)	26002-80-2	0.4

**Comments:** Contains petroleum distillates.

## 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

**Notes to physician:** Vitamine E oil applied dermally may relieve cutaneous paresthesia following skin contact.

## 5. FIRE-FIGHTING MEASURES

**Flammable properties:** Non-flammable.

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**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Foam. Carbon dioxide (CO2). Dry chemical.  
**Explosion potential:** Closed containers may rupture violently under fire conditions.  
**Explosive properties:** Heating may cause an explosion.  
**Hazardous combustion products:** Toxic fumes may be produced.  
**Fire fighting procedures:** Select appropriate method to surround and extinguish fire. Flood with water to cool containers. Treat as an oil 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**

**Personal precautions:** Wear personal protective equipment  
**Environmental precautions:** Prevent product from entering drains  
**Methods for containment:** Extinguish all ignition sources. Control spill with dykes and absorb with inert absorbant material. Pick up wash liquid with absorbant material and place in container for disposal.  
**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 a cool, dry area away from incompatible materials and heat sources. Do not store at temperatures above 130 F. Keep out of the reach of children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components	ACGIH:	OSHA:
Sumithrin (Phenothrin)	Not Listed	Not Listed
MGK 264, N-octyl bicycloheptene dicarboximide	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> Aerosol (liquified gases and liquid)	<b>Color:</b> White
<b>Flash point:</b> >200° F	<b>Method:</b> Flame extension
<b>Appearance:</b> Opaque	<b>Odor:</b> Sweet
<b>pH:</b> 7.0 - 8.0	<b>Solubility:</b> Partly miscible
<b>Specific gravity:</b> 0.95-0.99	<b>Viscosity:</b> 4.83 CPS
<b>VOC content(%):</b> <12%	

**10. STABILITY AND REACTIVITY**

**Chemically Stable:** Yes  
**Conditions to avoid:** Keep away from heat and ignition sources.  
**Materials to avoid:** Strong acids and oxidising agents.  
**Hazardous decomposition products:** Toxic fumes and gases may be generated.  
**Possibility of hazardous reactions:** No information available.

**11. TOXICOLOGICAL INFORMATION**

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**Acute toxicity**

**LD50/oral:** >5000 mg/kg, rat  
**LD50/dermal:** >2000 mg/kg, rabbit  
**LC50/inhalation:** >>2.0 mg/L, (vapor), rat  
**Eye effects:** Mild eye irritation, rabbit  
**Skin effects:** Slight irritation, 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:
Sumithrin (Phenothrin)	Not listed	Not listed	Not listed
MGK 264, N-octyl bicycloheptene dicarboximide	Not listed	Not listed	Not listed

**Ingestion:** Ingestion may cause irritation to mucous membranes.  
**Inhalation:** Possible irritation of the respiratory tract.  
**Target organ effects:** Irritation.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects:** Toxic to aquatic organisms. No data is available on the product itself.  
**Persistence and degradability:** Inherently biodegradable.  
**Bioaccumulative potential:** No information available.  
**Mobility:** Water contaminating.  
**Aquatic toxicity:** Toxic to fish.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** If partially filled, call the local solid waste agency for disposal instructions. Do not place product down any indoor or outdoor drain.  
**Contaminated packaging:** 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)** Consumer Commodity, ORM-D  
**DOT (AIR)** Consumer Commodity, ORM-D  
**DOT (Vessel)** Consumer Commodity, ORM-D

**15. REGULATORY INFORMATION**

Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Sumithrin (Phenothrin)	26002-80-2	Not Listed	Not Listed
MGK 264, N-octyl bicycloheptene dicarboximide	113-48-4	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

**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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