



MATERIAL SAFETY DATA SHEET

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Revision Number: 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ORTHO® Home Defense® MAX™ Termite & Destructive Bug Killer, Trenching (Concentrate)
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.: 279-3218-239
Formula No.: S9680

2. HAZARDS IDENTIFICATION

Labelling

Signal word: CAUTION

Precautionary Statements

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid breathing spray mist or vapors. Avoid contact with eyes, skin, and clothing. Wash with soap and water after handling. Keep out of reach of children.

Potential health effects

Eye contact: Contact with eyes may cause irritation.
Skin contact: May cause skin irritation in susceptible persons. Irritation possible.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Inhalation: May cause irritation of respiratory tract.

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 %
Inert Ingredients	PROPRIETARY	97.6
Bifenthrin	82657-04-3	2.4

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: This product is a pyrethroid. If large amounts have been ingested, milk, cream, and other digestible fats and oils may increase absorption and should be avoided. Vitamine E oil applied dermally may relieve cutaneous paresthesia following skin contact.

5. FIRE-FIGHTING MEASURES

Flammable properties: May burn under fire conditions.
Suitable extinguishing media: Water spray, carbon dioxide, dry chemical, chemical foam.

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5. FIRE-FIGHTING MEASURES

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

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. Do not contaminate water sources when disposing of equipment wash waters.

Storage: Store in a cool, dry area away from incompatible materials and heat sources. Protect from freezing. Keep out of the reach of children.

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
Re-entry Interval: When dry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Color:	White
Flash point:	None detected at or below 210° F	Appearance:	Clear
Density:	8.52 lbs/gal	pH:	Neutral
Solubility:	Soluble	Specific gravity:	1.02

10. STABILITY AND REACTIVITY

Chemically Stable:	Yes
Conditions to avoid:	Extreme heat. Keep away from open flames, hot surfaces and sources of ignition.
Materials to avoid:	Strong oxidising agents.
Hazardous decomposition products:	Combustion may produce irritating gases and vapors.
Possibility of hazardous reactions:	Poses little or no immediate hazard.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50/oral: >5.0 g/kg, rat
LD50/dermal: >5.0 g/kg, rat
LC50/inhalation: 8.91 (vapor), mg/L, rat
Eye effects: Mild eye irritation, rabbit

Skin effects: Moderate skin 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:
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: Toxic to aquatic organisms.
Persistence and degradability: Inherently biodegradable.
Bioaccumulative potential: No information available.
Mobility: Water contaminating.
Aquatic toxicity: No information available.
Additional ecological information: Toxic to fish.. 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: 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
Proper shipping name: Not regulated
Other Shipping Information: UN3082, Environmentally hazardous substance, liquid, n.o.s., (bifenthrin, 2.4%), 9, PGIII, Marine Pollutant, when shipped in bulk or by vessel over water .

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: 1 Reactivity: 0
HMIS: Health: 1 Flammability: 1 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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