



MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ORTHO® Home Defense MAX® Ant & Roach 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.: 239-2695

Formula No.: S14102

2. HAZARDS IDENTIFICATION

Labelling

Signal word:

CAUTION

Precautionary Statements

Avoid contact with eyes, skin, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Keep out of reach of children.

Potential health effects

Eye contact:

Contact with eyes may cause irritation.

Skin contact:

Irritation not expected.

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#	99.92
Bifenthrin	82657-04-3	0.05
Prallethrin	23031-36-9	0.03

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:

N.F.P.A. (Code 30B) Level I Aerosol.

Suitable extinguishing media:

Carbon dioxide (CO₂). Dry chemical. Foam.

Explosion potential:

Closed containers may rupture violently under fire conditions.

Hazardous combustion products:

Toxic fumes may be produced.

Specific hazards:

No information available.

5. FIRE-FIGHTING MEASURES

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 use around electrical equipment due to possible electrical shock hazard.

Storage: Store in a cool, dry area away from incompatible materials and heat sources. Do not store at temperatures above 130 F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	ACGIH:	OSHA:
Bifenthrin	Not Listed	Not Listed
Prallethrin	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: Wear suitable protective clothing if contact is anticipated during manufacturing. Chemical resistant gloves.
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 and face before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

Re-entry Interval: When dry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Aerosol (liquified gases and liquid) **Bulk density:** 0.975 g/ml
Flash point: Does not flash **pH:** 6.0 - 6.6
Solubility: Soluble **Viscosity:** 3.20 cps

10. STABILITY AND REACTIVITY

Chemically Stable: Yes
Conditions to avoid: Keep away from heat and ignition sources.
Materials to avoid: Strong oxidising agents.
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: >5000 mg/kg, rat
LD50/dermal: >5000 mg/kg, rat
LC50/inhalation: >5.12
Eye effects: Mild eye irritation
Skin effects: Mild skin irritation

Sensitization: No sensitization

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
Prallethrin	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: Extremely toxic to fish and aquatic invertebrates.
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 puncture or incinerate container. Do not place product down any indoor or outdoor drain.
Contaminated packaging: If empty, place in trash or offer for recycling if available. If partially filled, call your local solid waste agency for disposal instructions.

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
Bifenthrin	82657-04-3	Not Listed	Not Listed
Prallethrin	23031-36-9	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

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.

Prepared by: Regulatory Affairs Department.

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