

MATERIAL SAFETY DATA SHEET

Date stamp:

11-Oct-2005

MSDS Ref. No.:

019541007

Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

ORTHO® Home Defense MAX™ Perimiter & Indoor Insect Killer Pull'N Spray

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.: 239-2663

Formula No.: S11510

2. HAZARDS IDENTIFICATION

Labelling

Signal word:

CAUTION

Precautionary Statement

Causes moderate eye irritation. Avoid contact with eyes, skin, and clothing. Avoid breathing spray mist or

vapors. Wash with soap and water after handling. Keep out of reach of children.

Potential health effects

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

May cause skin irritation in susceptible persons.

Ingestion:

Considered practically non-toxic. Considered practically non-toxic.

Aggravated Medical Conditions:

Inhalation may aggravate asthma.

Principle routes of exposure:

Skin, Eyes, Inhalation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Bifenthrin	82657-04-3	0.05
Inert Ingredients	PROPRIETARY	99,95

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 vomitting unless told to do so be 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, preferabley by mouth-to-mouth, if possible. Call a poison control center or doctor for further

treatment advice

5. FIRE-FIGHTING MEASURES

Flammable properties:

Will not burn under fire conditions.

Suitable extinguishing media: Explosion potential:

Water spray, carbon dioxide, dry chemical, chemical foam.

Hazardous combustion products:

Toxic fumes may be produced.

Fire fighting procedures: Special protective equipment for Select appropriate method to surround and extinguish fire.

firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or

equivalent) and full protective gear.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear personal protective equipment

Environmental precautions:

Prevent product from entering drains

Methods for containment: Methods for cleaning up:

Control spill with dykes and absorb with inert absorbant material

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. 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

Safety glasses with side shields or goggles.

Eye/face protection: 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

Physical State:

Liquid

Color:

White

pH: Density:

7.0 - 7.38.32 lbs/gal Solubility: Flash point: Miscible Does not flash

10. STABILITY AND REACTIVITY

Chemically Stable:

Conditions to avoid:

Yes

Extreme heat. Application on electrical equipment.

Materials to avoid:

Hazardous decomposition products:

Oxidising agents (strong). 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: >5.0 (vapor), mg/L, rat Eye effects: Moderate 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 indgredient as a carcinogen.

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

Ingestion:

Ingestion may cause irritation to mucous membranes.

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Inhalation:

May cause irritation of respiratory tract.

Other information:

May produce tempory skin sensations such as numbness, burning, or tingling that subside within 12 hours.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects:

Persistence and degradability:

Bioaccumulative potential: Mobility:

Aquatic toxicity:

Aquatic toxicity: Additional ecological Information: Toxic to aquatic organisms.

Inherently biodegradable.
Does not bioaccumulate.
Water contaminating.
No information available.

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: Contaminated packaging: 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.

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 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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Additional Information: This information contained herein is, to the best of Scott's knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Scotts shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Scotts shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

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