

Material Safety Data Sheet

Effective Date: 03-SEP-2004

Product: IMPINGE

I. IDENTIFICATION

Chemical Name: Bifenthrin with Plant Nutrients
Chemical Family: Pyrethroid Pesticide
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: Experimental Use Only

II. PHYSICAL DATA

Boiling Point: Not applicable
Freezing Point: Not applicable
Spec Gravity: 85-89 lbs/cu. ft.
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: Soluble
Volatiles: Not determined
Evaporation: Not applicable
Melting Point: Not determined
Appearance: Beige solid granules with musty/ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of bifenthrin, sand and ammonia salts of carboxylic acid.		100.00	N/E	Skin, eye irritant; Highly toxic to fish.
Bifenthrin	82657-04-3	2.00	N/E	Highly toxic to fish and aquatic organisms.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable
Flammable Limit: Not determined
Extinguishing Media: Use foam, carbon dioxide, or dry chemical extinguishing media. Use soft stream water fog only if necessary. Contain all runoff.
Special Fire Fight Proc: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained

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breathing apparatus.

Fire and Expl Hazard: Produces oxides of carbon, hydrogen chloride, hydrogen fluoride and ammonia vapors under fire conditions.

V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: No data available for this formulation although similar formulations have low oral toxicity. The active ingredient, bifenthrin, caused diarrhea in laboratory animals. May cause gastrointestinal upset if ingested.

Skin Absorption: No data available for this formulation.

Inhalation: No data available for this formulation. Inhalation of dusts may cause respiratory tract irritation.

Skin contact: Skin contact with bifenthrin may occasionally produce skin sensations, such as rashes, numbing, burning or tingling. These sensations are reversible and usually subside within 12 hours.

Eye Contact: Excessive exposure to dusts of this material may cause eye irritation.

Chronic Effects: No data available for this formulation.

Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Drink 1 or 2 glasses of water. If discomfort persists, seek medical attention.

Skin: Wash affected area with plenty of water. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. If breathing difficulty or discomfort occurs and persists, seek medical attention.

Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. If irritation persists, seek medical treatment.

Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

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VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid excessive heat and fire.
Polymerization: Will Not Occur
Conditions to Avoid: Avoid excessive heat and fire.
Incompatibility material: None currently known.
Hazardous Combustion: Produces oxides of carbon, hydrogen chloride,
hydrogen fluoride and ammonia vapors under fire
conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Isolate spill area. Prevent spilled material
from entering any waterways, lakes, streams,
ponds or storm drains. For dry material, sweep
up and reuse if uncontaminated. If
contaminated, place in suitable chemical waste
container for proper disposal.
Waste Disposal Method: This material must be disposed of according to
Federal, State or Local procedures under the
Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: Use NIOSH-approved respirator suitable for
pesticides if exposed to excessive dusts, etc.
Ventilation: Local exhaust should be sufficient.
Gloves: Chemical protective, such as rubber or neoprene.
Eyes: Chemical goggles or face shield.
Other: Chemical resistant clothing, footwear, eye wash
station, and emergency shower.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store
with food, feed or other material to be used or
consumed by humans or animals. Do not
contaminate water supplies, lakes, streams or
ponds. Store in a cool, dry, well-ventilated
place. Do not use or store near heat or open
flames.
Other precaution: This mixture contains bifenthrin which is
highly toxic to fish and aquatic organisms.

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X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT or IATA. See
Transportation Note below.

Hazard Class: None

Identification No: None

Labels Required: None required

Placarding: None

Freight Class: Insecticides, N.O.I., Other than Poison (NMFC
Item 102120, Class 60)

Chemical Name

Equivalent R.Q.

Not applicable

Not applicable

TRANSPORTATION NOTE:

When shipped in bulk packaging or by vessel, must be shipped as:
Environmentally Hazardous Substance, Solid, n.o.s. (Bifenthrin), 9, UN3077,
PG III, Marine Pollutant "ERG # 171"

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2

Fire: 1

Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y

Delayed (Chronic) Health: N

Sudden Release of pressure: N

Fire: N

Reactive: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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