

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of the substance or mixture

Product Name	COMPARE•N•SAVE® CONCENTRATED INDOOR/OUTDOOR INSECTICIDE
EPA Reg. No.	70506-24-84009
Chemical Name	Bifenthrin technical Glycerin

Use of the Substance/Mixture

Recommended Use	Insecticide
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Company/Undertaking Identification

Distributed by	Ragan & Massey, Inc. 101 Ponchatoula Parkway Ponchatoula, Louisiana 70454 United States
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Emergency and contact telephone numbers

Emergency telephone number	1 (800) 434-9300	CHEMTREC® (24 hrs)
	1 (703) 527-3887	
	1 (800) 222-1222	Poison Control Center
Contact telephone number	1 (800) 264-5281	Product Information
	1 (985) 386-6042	

2. HAZARDS IDENTIFICATION

Emergency Overview

Highly toxic to fish and aquatic organisms. Keep out of drains and water courses
May cause reversible skin reaction.

CAUTION

General Information

Physical State	liquid
Color	off-white
Odor	slight

Potential Health Effects

Eyes

- May cause slight irritation.

Skin

- Skin contact may produce skin sensations such as numbing, burning, or tingling. These sensations are reversible within 12 - 24 hours of onset.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Glycerin	56-81-5	<1	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction
Bifenthrin technical	82657-04-3	7.9	N/A

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 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 minute.
- If skin irritation persists, call a physician.

Inhalation

- If breathing is irregular or stopped, administer artificial respiration.
- May cause allergic respiratory reaction.
- Call a physician or poison control center immediately.

Ingestion

- Call a physician or poison control center immediately.
- May produce an allergic reaction.
- Never give anything by mouth to an unconscious person.
- Do not induce vomiting unless told to do so by a poison control center or doctor.

Notes to Physician

- This product contains a pyrethroid. Treatment is symptomatic and supportive.

5. FIRE FIGHTING MEASURES

Flammable Explosive Properties

Flash Point

>100 °C / >212 °F

Autoignition Temperature	Not available		
Flammability Limits in Air	Not available		
Extinguishing Media	Foam, Carbon dioxide (CO ₂) Dry chemical		
Fire / Explosion Hazard	May support combustion at elevated temperatures		
Hazardous Combustion Products	Carbon dioxide (CO ₂), Carbon monoxide, chlorine, Hydrogen chloride, hydrogen flouride		
<u>NFPA</u>	Health 1	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Avoid contact with the skin and the eyes.
- Use personal protective equipment.
- Remove all sources of ignition.

Environmental Precautions

- Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Methods for Clean-up

- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

- Keep out of reach of children.
- Keep away from heat, sparks and open flame.
- No smoking.

Storage

- Keep container tightly closed in a dry and well-ventilated place.
- Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	Glycerin
ACGIH TLV	TWA: 10 mg/m ³ mist
OSHA PEL	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction

Engineering Controls

- Investigate engineering techniques to reduce exposures.
- Local mechanical exhaust ventilation is preferred.
- Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Personal protective equipment

Eye / face protection

- Where there is potential for eye contact have eye flushing equipment available.
- Use eye protection to avoid eye contact.

Skin protection

- Protective gloves.
- Lightweight protective clothing.

Respiratory protection

- Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components.
- Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles.
- If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application.
- Observe respirator use limitations specified by NIOSH or the manufacturer.
- For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus.
- Respiratory protection programs must comply with 29 CFR 1910.134.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Wear suitable gloves and eye/face protection. Wash hands and face before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white	pH	approx. 6
Physical State	Liquid	Melting Point / Range	Not available
Boiling Point / Range	Not available	Solubility	Dispersible in water
Specific Gravity	1.039 g/ml	Vapor Pressure	Not available
Evaporation Rate	Not available	VOC Content	Not available
Vapor Density	Not available	Molecular Weight	No data available
Viscosity	Not available	Percent Solids	Not available
Bulk Density	8.66 lb/gal		
Percent Volatiles	Not available		
Odor	Slight		

10. STABILITY AND REACTIVITY

Stability

- Stable under recommended storage conditions.

Conditions to Avoid

- Heat, flames and sparks.

Incompatible Materials

- No materials to be especially mentioned.

Hazardous decomposition products

- Carbon monoxide, Carbon dioxide (CO₂), chlorine, Hydrogen chloride, Hydrogen fluoride.

Possibility of Hazardous Polymerization

- Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Compare•N•Save Concentrated Indoor/Outdoor Insecticide

Acute oral LD50 - 632 mg/kg (rat)

Acute dermal LD50 - > 2,000 mg/kg (rabbit)

Acute Inhalation LC50 - 11.58 mg/L/1 hr (rat)

Component Information

Bifenthrin products may produce skin sensations such as rashes, numbing, burning, or tingling, which are reversible and usually subside in 12 hours.

Chronic Toxicity

Carcinogenicity

BIFEN

In studies with laboratory animals, Bifenthrin technical did not cause reproductive toxicity or teratogenicity. Tremors were associated with repeated exposure of laboratory animals to Bifenthrin technical. In lifetime feeding studies conducted with rodents a slight increase in the incidence of urinary bladder tumors at the highest dose in male mice was considered to be an equivocal response, not evidence of a clear compound-related effect. The overall absence of genotoxicity has been demonstrated in mutagenicity tests with Bifenthrin. Chronic exposure to aromatic hydrocarbons may cause headaches, dizziness, loss of sensations or feelings and liver and kidney damage. There is no sufficient evidence to suggest that aromatic hydrocarbons are reproductive toxicants, mutagens or developmental toxicants. Bifenthrin technical- In studies with laboratory animals, bifenthrin did not cause reproductive toxicity or teratogenicity. Tremors were associated with repeated exposure of laboratory animals with Bifenthrin. In lifetime feeding studies conducted with rodents, a slight increase in the incidence of urinary bladder tumors at the highest dose in male mice was considered to be an equivocal response, not evidence of a clear compound-related effect. The overall absence of genotoxicity has been demonstrated in mutagenicity tests with bifenthrin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Bifenthrin has moderate stability in the soil under aerobic conditions with a half-life ranging from 65 to 125 days depending on soil type. It is stable at a wide range of pH values. Bifenthrin has a high Log Pow (>6.0), a high affinity for organic matter, and is not mobile in soil which indicate little potential for movement into ground water. There is potential for bifenthrin to bioconcentrate (BCF = 11,750). Bifenthrin is highly toxic to fish and aquatic arthropods and LC50 values range from 0.0038 to 17.8 ug/L. In general, the aquatic arthropods are the most sensitive species. Care should be taken to avoid contamination of the aquatic environment. Bifenthrin had no effect on mollusks at its limit of water solubility. Bifenthrin is only slightly toxic to both water fowl and upland game birds (LD50 values range from 1,800 mg/kg to >2,150 mg/kg).

13. DISPOSAL CONSIDERATIONS

- Waste Disposal Method** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
- Contaminated Packaging** Empty containers may contain hazardous residues. Containers should be handled as instructed by following all container disposal directions.

14. TRANSPORT INFORMATION

- DOT** Not regulated
- ICAO** Not regulated
- IATA** Not regulated
- IMDG / IMO** Not regulated

15. REGULATORY INFORMATION

International Inventory

Chemical Name	TSCA	DSL	NDSL	EINECS/ ELINCS	ENCS	CHINA	KECL	AICS
Glycerin	Present	X		X	(7)-338 (2)-242	X	KE-29297	X
Bifenthrin technical					(4)-1701	X	KE-05935	

USA

Federal Regulations

SARA 313

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Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
Bifenthrin technical	82657-04-3	7.9	1.0

SARA 311 / 312 Hazardous Categorization

Chronic Health Hazard	No
Acute Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

Chemical Name	CAS-No	Weight %	HAPS data	VOC chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Glycerin	56-81-5	<1		Group II		

CERCLA

RCRA

Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Glycerin 56-81-5 (<1)			X	
Bifenthrin technical 82657-04-3 (7.9)			X	

State Regulations

California Proposition 65

This product does not contain and Proposition 65 chemicals.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Glycerin	X	X	X		
Bifenthrin technical		X			

International Regulations

Mexico - Grade

Component	Category	Carcinogen Status	Exposure Limits
Glycerin 56-81-5 (<1)			Mexico: TWA 10 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

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