Safety Data Sheet



Preparation Date 21-Apr-2015

Revision date 12-Jul-2024

Revision Number: 7

1. Identification of the Substance/Preparation and of the Company/Undertaking

Bifenture EC Insecticide
1011125
12U-135
UN3351
70506-57
Il and restrictions on use
Insecticide.
Activities contrary to label recommendation
,
y Data Sheet
·
2210
2219
1 900 429 6074

Emergency telephone number1-800-438-6071Company Phone Number1-800-438-6071Emergency telephone numberChemtrec: (800) 424-9300 (24hrs) or (703) 527-3887Medical: Rocky Mountain Poison and Drug Safety

(866) 673-6671 (24hrs)

2. Hazards Identification

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

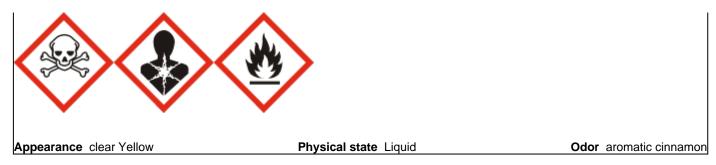
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Carcinogenicity	Category 2
Aspiration toxicity	Category 1
FLAMMABLE LIQUIDS	Category 3

Label elements

EMERGENCY OVERVIEW

DANGER

Hazard Statements Toxic in contact with skin Harmful if inhaled May be fatal if swallowed and enters airways Suspected of causing cancer Flammable liquid and vapor



Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood Wear cold insulating gloves/face shield/eye protection Do not get in eyes, on skin, or on clothing Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF exposed IF ON SKIN: Wash with plenty of soap and water Call a POISON CENTER or doctor if you feel unwell Remove/Take off immediately all contaminated clothing Wash contaminated clothing before reuse IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Aromatic 100	64742-95-6	>35
Bifenithrin technical	82657-04-3	25.1

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First aid measures		
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. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.	
Skin contact	Take off contaminated clothing. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Call a poison control center or doctor for treatment advice. Seek immediate medical attention/advice. Wash off immediately with	

plenty of water for at least 15 minutes. Remove and wash contaminated clothing before

	re-use.	
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.	
Ingestion	Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.	
Most Important Symptoms and Effects, Both Acute and Delayed		
Most Important Symptoms and Effects	no data available.	
Indication of Any Immediate Medical Attention and Special Treatment Needed		
Notes to physician	This product is a pyrethroid and contains petroleum distillates. Treatment is symptomatic and supportive. Do not induce vomiting. Vomiting may cause aspiration pneumonia. Digestible fats, oils, or alcohol may increase absorption and should be avoided.	

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media no data available.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Hydrogen chloride. Hydrogen fluoride.

Explosion data

Protective equipment and precautions for firefighters

Use personal protective equipment. 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, protective equipment and emergency procedures

Personal Precautions	Avoid contact with skin and eyes. Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges.	
Environmental Precautions		
Environmental precautions	Keep material out of lakes, streams, ponds and sewer drains. Dike to confine spill and absorb with an absorbant such as clay, sand or soil. 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 and material for containment and cleaning up		
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. Ground and bond containers when transferring material. Remove all ignition sources.	

7. Handling and Storage

Precautions for safe handling

Handling	Keep out of reach of children. Keep from freezing. Wear personal protective equipment. Keep away from heat, sparks and open flame No smoking. Remove and wash contaminated clothing before re-use.	
Conditions for safe storage, incluc	ling any incompatibilities	
Storage	Store at temperatures above 40 F (5 C). If crystals form, warm to room temperature 70 F(21 C) by room heating only for 24-48 hours, and shake occasionally until crystals dissolve and product appears uniform. Do not use external source of heat for warming containers. Keep containers tightly closed in a cool, well-ventilated place.	
incompatible materials	No information available.	
8. Exposure Controls/Personal Protection		
Exposure guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	
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 Skin protection Respiratory protection	Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. Safety glasses with side-shields. Wear protective gloves/clothing. Coveralls. Chemical resistant gloves. Socks and footwear. 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 before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance Physical state Odor color	clear Yellow Liquid aromatic cinnamon No information available	
Property pH	VALUES	Remarks/ Method None known
Melting point/freezing point		None known
Boiling Point/Range		None known
Flash Point	54 C / 129 F	None known
Evaporation Rate	01071201	None known
Flammability (solid, gas)		None known
Specific gravity	0.958 g/ml	None known
Bulk density	0.000 g/m	None known
Water solubility		None known
Solubility in Other Solvents	Emulsifies	None known
Partition coefficient: n-octanol/wate	er	None known
Autoignition temperature	-	None known

Decomposition temperature Viscosity

None known None known

9.2 OTHER INFORMATION- NONE

10. Stability and Reactivity

Reactivity no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

incompatible materials

No information available.

Hazardous decomposition products

no data available.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information

	Bifenture EC: Acute oral LD50 = 262 mg/kg Acute dermal LD50 = >2000 mg/kg Acute inhalation LC50 1.86 mg/L Skin sensitization = Causes skin sensitization in susceptible individuals
Inhalation	Inhalation of aromatic hydrocarbon may result in dizziness, vision disturbances.
Eye contact	May cause slight irritation.
Skin contact	May cause sensitization of susceptible persons. Skin exposure may result in rashes, numbing, burning or tingling sensation which is reversible and usually subsides within 12 hours.
Ingestion	Vomiting after ingestion may cause aspiration of the aromatic hydrocarbon into the lungs which may result in fatal pulmonary edema.

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization Mutagenic effects Carcinogenicity	No information available. no data available. 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 biggidence of using blodder tumors at the bighest data in male mise was considered to
	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.
Reproductive effects	Not Available.
STOT - Single Exposure	no data available.
STOT - Repeated Exposure	no data available.
Aspiration hazard	No information available.
Numerical Measures of Toxicity - Product information	

LD50 Oral	262 mg/kg (rat)
LD50 Dermal	> 2000 mg/kg (rat)
LC50 Inhalation	1.86 mg/l (4-hr)

12. Ecological Information

Yes - when shipped in bulk.

ecotoxicity

Bifenthrin : Highly toxic to fish and aquatic arthropods (LC50 values between 0.0038 to 17.8 ug/L. Slightly toxic to water fowl and upland game birds (LD50 between 1800 to >2150 mg/kg)

Persistence/Degradability

no data available.

Bioaccumulation/ Accumulation

No information available.

Other Adverse Effects

no data available

13. Disposal Considerations

Waste Treatment Methods

Waste Disposal MethodPesticide wastes can be 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 packagingRefer to product label.

14. Transport Information

DOT	
UN/ID no	UN3351
Proper shipping name	Pyrethroid pesticide, liquid, toxic, flammable (Bifenthrin) (aromatic hydrocarbon)
Hazard class	6.1
Subsidiary class	3
Packing group	PG III
IMDG - Marine Pollutant	Yes - when shipped in bulk.

ICAO **UN/ID** no UN3351 Proper shipping name Pyrethroid pesticide, liquid, toxic, flammable (Bifenthrin) (aromatic hydrocarbon) Hazard class 6.1 **Subsidiary class** 3 Packing group PG III Description IMDG - Marine Pollutant ΙΑΤΑ UN/ID no UN3351 Proper shipping name Pyrethroid pesticide, liquid, toxic, flammable (Bifenthrin) (aromatic hydrocarbon) Hazard class 6.1 Subsidiary class 3 PG III Packing group Description Marine pollutant IMDG UN/ID no UN3351 Pyrethroid pesticide, liquid, toxic, flammable (Bifenthrin) (aromatic hydrocarbon) Proper shipping name **Hazard class** 6.1 **Subsidiary class** 3 PG III Packing group EmS No. F-E.S-D

15. Regulatory Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

signal word

WARNING

Marine pollutant

Ventilation Control

PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170. Keep Out of Reach of Children

May be fatal if swallowed. This product is highly toxic to bees. Toxic to fish and aquatic organisms. Causes substantial but temporary eye injury.

International Inventories

Environmental hazards

Not present
Not present
Not Present
Not Present

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances **ENCS** - Japan Existing and New Chemical Substances **IECSC** - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

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AICS - Australian Inventory of Chemical Substances

Federal Regulations

<u>SARA 313</u>

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

CERCLA

Not applicable

<u>CERCLA</u> SARA Product RQ

RCRA Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Aromatic 100 64742-95-6 (>35)			X	
Bifenithrin technical 82657-04-3 (25.1)			Х	

State Regulations

State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Bifenithrin technical -		Х			
82657-04-3					

International regulations

U.S. EPA Label information

EPA Pesticide registration number 70506-57

16. Other Information

<u>NFPA</u>	HEALTH 2	flammability 1	Instability 0	Physical hazard -	
Preparation Date	21-Apr-2	2015			
Revision date	12-Jul-2024				
Revision Summary					
Update product name U	Ipdate section 2				
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End of SDS