

Section 5 – Fire and Explosion Hazards

Flash Point:	Will not flash.	Upper Flammability Limit:	N/A
Extinguishing Media:	Foam, dry chemical, CO ₂ , water fog	Lower Flammability Limit:	N/A
Special Procedures:	Use SCBA with full-face piece and protective clothing.		
Unusual Fire Hazards:	Possible toxic smoke, vapors, fallout and runoff water can result from fires.		
Reactivity/Stability:	Toxic and irritating gasses may form when burned. Hazardous polymerization will not occur.		

Section 6 – Spill/Release Procedures

Absorbent:	Universal absorbent pads, vermiculite, absorbent booms, or clay granules.		
Containment:	Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible.		
Waste Disposal:	Dispose of contaminated material in municipal land fill or through licensed TSDF. Not a hazardous waste under RCRA, 40 CFR 261.		
Reporting:	Report all major spills and uncontrolled releases to proper local, state, and federal agencies.		
Emergency Contact #:	Chemtrec: 1-800-424-9300		

Section 7 – Storage and Handling Instructions
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Storage Conditions:	Do not store near foodstuffs or feed. Store in a cool, dry, well-ventilated area away from flammable materials and sources of heat. Keep away from oxidizing agents and alkaline material.		
Special Handling Considerations:	Exercise caution to prevent damage to or leakage from the container. Workers should follow good hygiene practices to avoid accidental ingestion.		
Container Disposal:	Do not reuse empty containers. Triple rinse (or equivalent), then offer for recycling or render unusable and dispose of in municipal landfill or with licensed TSDF.		

Section 8 – Protective Equipment/Engineering Controls

Eye Protection:	Wear ANSI approved chemical goggles, glasses with side shields or face shield.
Respiratory Protection:	For mist or spray exposure, wear a properly fitted air-purifying respirator with an organic vapor cartridge with any R, P or HE pre-filter approved by NIOSH/MSHA. Respirator use must be based on airborne concentrations.
Dermal Protection:	Gloves, long sleeves, pants and shoes.
Engineering Controls:	Use only in adequately ventilated areas.
Other Precautions:	Recommendations for mixing or applying this product are prescribed on the product label.

Section 9 – Physical Data

Odor:	Mild characteristic	Melting Point:	N/A
Physical State:	Liquid	Flash Point:	None
Color:	Off white	Specific Gravity:	1.038 (g/ml)
Bulk Density:	See specific gravity	pH:	5.8 - 6.2
Vapor Pressure:	N/A	Water Solubility:	Dispersible
Viscosity:	N/A	Refractive Index:	N/A

Section 10 – Toxicity

EPA Toxicity Category:	“Caution” label required	Oral LD ₅₀ :	>500 mg/kg
Skin Contact:	Moderate irritant	Dermal LD ₅₀ :	>1000 mg/kg
Eye Contact:	Moderate irritant	Inhalation LC ₅₀ :	>10 mg/kg
HMIS/NFPA Classification:	Fire - 0 Health - 1 Reactivity - 0	Fire - 0 Health - 1 Reactivity - 0 Special - none	
Other Comments:	Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking.		

Section 11 – Ecological Data

Aquatic:	Bifenthrin is highly toxic to fish and aquatic arthropods and LC ₅₀ values range from 0.0038 to 17.8 µg/L.
Avian:	Bifenthrin is slightly toxic to waterfowl and upland game birds (LD50 values range from 1,800 mg/kg to >2,150 mg/kg).
Bioaccumulation:	Bifenthrin has the potential to bioaccumulate. Log K _{ow} > 6.0
Summary:	Bifenthrin will persist in aquatic sediments. Bifenthrin is not mobile in soil. There is little potential for movement into ground water.

Section 12 – Transportation

DOT:	Not regulated.
IATA:	Not regulated.
IMDG:	Environmentally hazardous substance, liquid, n.o.s. (7.9% bifenthrin), Class 9, UN3082, PG III, marine pollutant
Federal Motor Carrier Classification:	Insecticides, NOI, other than Poison. NMFC Item 102120.

Section 13 – Regulatory

Section 302/TPQ: (emergency planning)	Contains no components listed under section 302.
Section 304/EHS RQ: (release notification)	Contains no components listed under section 304.
CERCLA RQ: (release notification)	Not regulated by CERCLA.
Section 311/Tier II: (MSDS submission)	Acute health hazard, delayed health hazard.
Section 313/TRI Chemicals:	7.9% bifenthrin, CAS - 82657-04-3
RCRA Haz-Waste Code(s):	None
CAA TQ: (air emissions)	None

Section 14 – Other

NFPA and HMIS ratings assigned to this product are based on the hazards of its ingredient (s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.

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