



Safety Data Sheet

Report Date 25-Mar-20

Page 1 of 5

1. Identification

Product Name : OMNI BRAND BIFENTHRIN 2EC
Synonyms : None
Product Use : Bifenthrin Insecticide
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Danger
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Eye Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Acute Toxicity Oral : Oral LD50 262 mg/kg (rat)
Acute Toxicity Dermal : Dermal LD50 >2,000 mg/kg (rabbit)
Hazard Categories : Oral/Inhal Tox-3/4; Skin Sensitizer-1; STOT,Single/Repeated-1/1;
Carcinogen-2; Aspiration-1;Flam-3
Hazard Statement : Toxic if swallowed
Harmful if inhaled
May cause an allergic skin reaction
Suspected of causing cancer (state route of exposure if it is conclusively
proven that no other routes of exposure cause the hazard)
Causes damage to organs
Causes damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Flammable liquid and vapour

3. Composition / Information on Ingredients



Safety Data Sheet

Report Date 25-Mar-20

Page 2 of 5

Component	CAS Number	Weight %
Bifenthrin	82657-04-3	25.0
Naphtha (petroleum), heavy aromatic	64742-94-5	50-60
Pseudocumene	95-63-6	<20
Petroleum distillates, solvent dewaxed, heavy paraffinic	64742-65-0	<1
Petroleum distillates, solvent dewaxed, light paraffinic	64742-56-9	<5
Cumene	98-82-8	<1

4. First Aid Measures

- Eye** : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for further treatment advice.
- Skin** : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.
- Inhalation** : Move to fresh air. If 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** : Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not induce vomiting or give anything by mouth if unconscious.
- Indication of Immediate Medical Attention and Special Treatment Needed** : This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils or alcohol may increase absorption and so should be avoided.

5. Fire Fighting Measures

- Extinguishing Media** : Use water fog, foam, dry chemical powder or carbon dioxide extinguishing agents.
- Specific Hazards Arising from the Chemical** : Flammable liquid and vapor.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Isolate fire area. Evacuate downwind.

6. Accidental Release Measures

- Personal Precautions** : Isolate and post spill area. Wear suitable protective clothing, gloves and eye/face protection.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use full face or half mask respirator with appropriate cartridges and/or filters approved for pesticides. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds and sewer drains.



Safety Data Sheet

Report Date 25-Mar-20

Page 3 of 5

Methods and Materials for Containment and Cleanup : Sweep up and shovel into suitable containers for disposal. Clean and neutralize spill area, tools and equipment by washing with bleach water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal.

7. Handling and Storage

Precautions for Safe Handling : Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

Conditions for Safe Storage : Keep in dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Store only in original container.

8. Exposure Controls / Personal Protection

TLV/PEL : Cumene (CAS No 98-82-8): 50 ppm (TLV and PEL).

Appropriate Engineering Controls : Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use full face or half mask respirator with appropriate cartridges and/or filters approved for pesticides. Eyewash and emergency shower.

9. Physical and Chemical Properties

Odor/Appearance : Amber liquid; aromatic hydrocarbon odor.

Flash Point, °F : 111.2-114.8 Deg. F.

Boiling Point, °F : No information available

Melting Point(Freezing point), °C : Not applicable

Vapor Pressure, mm Hg @ 20 °C : No information available

Vapor Density : No information available

Solubility in Water : Emulsifies

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 0.94-0.96

Evaporation Rate(Butyl Acetate = 1) : No information available

Octanol/Water Partition Coefficient : No information available

pH : No information available

Flammable Limits (approximate volume % in air) : No information available

Auto-ignition Temperature : No information found

Decomposition temperature : No information available



Safety Data Sheet

Report Date 25-Mar-20

Page 4 of 5

10. Stability and Reactivity

- Reactivity** : None under normal use conditions
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : Carbon oxides, hydrogen chloride, hydrogen fluoride.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Heat, flames and sparks.
- Incompatible Materials** : No information available

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : 262 mg/kg (rat). Toxic if swallowed.
- Acute Toxicity (Dermal LD50)** : >2,000 mg/kg (rabbit). Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity Inhalation LC50** : 1.86 mg/L/4 hour. Harmful if inhaled.
- Likely Routes of Exposure** : Ingestion, inhalation, skin
- Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Skin Sensitization** : May cause an allergic skin reaction.
- Carcinogenic** : Suspected of causing cancer. (EPA Class C-possible human carcinogen, bifenthrin)
- Chronic Effects** : Specific Target Organ Toxicity (STOT), Repeated Exposure: Causes damage to organs through prolonged or repeated exposure.
- Other Hazards** : STOT, Single: Causes damage to organs.
CA PROPOSITION 65 **WARNING!**: This product can expose you to chemicals including cumene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

12. Ecological Information

- Ecotoxicity** : Very toxic to aquatic life.
- Persistence and Degradability** : Moderately persistent. Does not readily hydrolyze, Not readily biodegradable.
- Bioaccumulative Potential** : Bifenthrin has a potential for bioconcentration.
- Mobility in Soil** : Bifenthrin is immobile, not expected to reach groundwater.
- Other Adverse Effects** : No other adverse environmental effects are expected from this product.

13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act. (RCRA D001 due to ignitability)



Safety Data Sheet

Report Date 25-Mar-20

Page 5 of 5

14. Transport Information

UN Proper Shipping Name : Pyrethroid Pesticide, Liquid, Toxic, Flammable, (Bifenthrin, Aromatic Hydrocarbons)
Transport Hazard Class : Toxic (6.1)
UN Identification Number : UN3351
Packaging Group : PG III
Environmental Hazards : Not listed as a Marine Pollutant on Appendix B to 49 CFR 172.101. Classified as a marine pollutant if shipped by air (IATA) or water (IMDG).
Transport in Bulk : No information found
Special Precautions for Transportation : No information found
Freight Classification : Insecticides, n.o.i., Poison

15. Regulatory Information

National Fire Protection Association Rating

Health: 2 Fire: 2 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

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

Immediate(Acute) Health: Y
Delayed (Chronic) Health: Y
Sudden Release of N
Pressure:
Fire: Y
Reactive: N

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling 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:

EPA Registration Number : 5905-626

FIFRA Signal Word : Warning

FIFRA Label Statement : Restricted Use Pesticide - Toxic to fish and aquatic organisms.

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes or

FIFRA Label Statement : on clothing. Wear protective eyewear (goggles, face shield or safety glasses).

FIFRA Label Statement : Harmful if inhaled or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin.

FIFRA Label Statement : Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum,

FIFRA Label Statement : using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

16. Other Information

Data of Preparation/Revision : 25-March-2020