



Safety Data Sheet

Report Date 12-Oct-21

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1. Identification

Product Name : OMNI BRAND ACEPHATE 97 SG
Synonyms : None
Product Use : Organophosphate 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 : Warning
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 : LD50 = 688 mg/kg (rat)
Acute Toxicity Dermal : LD50 >2,000 mg/kg (rabbit)

Hazard Categories : Oral/Dermal Toxicity-4/5

Hazard Statement : Harmful if swallowed
May be harmful in contact with skin

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Acephate (O,S-Dimethyl acetylphosphoramidothioate)	30560-19-1	97.0
Other ingredients	Nonhazardous	3.0

4. First Aid Measures

Eye : Hold eye 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 the eye. Call a poison control center or doctor if irritation develops and persists.

Skin : Take off contaminated clothing. Wash off with soap and water. Call a poison control center or doctor if irritation develops and persists.

Inhalation : Move to fresh air. Call a physician if symptoms develop or persist. Do not use mouth-to-mouth method if victim inhaled the product. Induce artificial respiration using a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Ingestion : Rinse mouth. If vomiting occurs, keep head low to avoid aspiration of stomach contents. Get medical attention if you feel unwell. Administer an 8 oz. glass of water containing 2 Tbsp. activated charcoal, if conscious. Lie on left side to slow absorption.

Indication of Immediate Medical Attention and Special Treatment Needed : Acephate is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine but may not be used alone.

5. Fire Fighting Measures



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- Extinguishing Media** : Use water fog, foam, dry chemical powder or carbon dioxide extinguishing media. Do not use water jet as an extinguisher as this will spread fire.
- Specific Hazards Arising from the Chemical** : During fire, gases hazardous to health may be formed.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool unopened containers.

6. Accidental Release Measures

- Personal Precautions** : Keep unnecessary personnel out of spill area. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Notify local authorities if significant spillages cannot be contained.
- Protective Equipment** : Splashproof goggles, face shield or safety glasses; chemical-resistant gloves (e.g., nitrile); long-sleeved shirt and long pants or coveralls and socks with closed toe shoes. Use an approved respirator if engineering controls are inadequate. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Prevent product from entering drains. Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground.
- Methods and Materials for Containment and Cleanup** : Shovel up, sweep up or vacuum up the material and place in a suitable container for reuse or disposal. Never return spills to original containers for reuse. Decontaminate the area and equipment with dilute alkali or ammonia (<5%) and detergent.

7. Handling and Storage

- Precautions for Safe Handling** : Do not taste or swallow. When using, do not eat, drink or use tobacco. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
- Conditions for Safe Storage** : Store in tightly closed container. Store away from incompatible materials.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for the active ingredient, acephate, or for this mixture.
- Appropriate Engineering Controls** : Good general ventilation should be used.
- Personal Protective Equipment** : Splashproof goggles, face shield or safety glasses; chemical-resistant gloves (e.g., nitrile); long-sleeved shirt and long pants or coveralls and socks with closed toe shoes. Use approved respirator if engineering controls are inadequate.

9. Physical and Chemical Properties

- Odor/Appearance** : White pellets; strong cabbage-like odor.
- Flash Point, °F** : No data available
- Boiling Point, °F** : No data available
- Melting Point(Freezing point), °C** : est. 188 Deg F (melting point)
- Vapor Pressure, mm Hg @ 20 °C** : 1.7x10(-6) mmHg (estimated)
- Vapor Density** : No data available
- Solubility in Water** : Not available
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 27 lb/cu. ft. (bulk density)
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable



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Octanol/Water Partition Coefficient : -0.85 (log Kow)
pH : Not available
Flammable Limits (approximate volume % in air) : No data available
Auto-ignition Temperature : No data available
Decomposition temperature : No data available

10. Stability and Reactivity

Reactivity : Non-reactive
Chemical Stability : Stable
Hazardous Decomposition : Emits hazardous fumes and smoke of unknown composition when heated to decomposition or burned.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
Incompatible Materials : Avoid strong oxidizing agents and alkaline compounds.

11. Toxicological Information

Acute Toxicity (Oral LD50) : 688 mg/kg (rat). Harmful if swallowed.
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rabbit). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 data available. No adverse effects are expected due to inhalation.
Likely Routes of Exposure : Ingestion, skin absorption
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012). Slight irritant.
Eye Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012). Slight irritant.
Skin Sensitization : Not a sensitizer.
Carcinogenic : Not classified as to carcinogenicity in humans.
Chronic Effects : This product is not expected to cause reproductive or developmental effects.
Other Hazards : CA PROPOSITION 65 WARNING: No listed ingredients appear on the CA PROPOSITION 65 WARNINGS listing.

12. Ecological Information

Ecotoxicity : Toxic to aquatic life with long lasting effects. Crustacea (Water flea, Daphnia magna) EC50 >50 mg/L/48 hours. Fish (Rainbow trout, donaldson trout) LC50 = 2.36-3 mg/L/96 hours.
Persistence and Degradability : No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative Potential : Partition coefficient n-octanol/water (log Kow) for acephate = -0.85.
Mobility in Soil : No data available
Other Adverse Effects : No other adverse environmental effects are expected from this component.

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.

14. Transport Information



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UN Proper Shipping Name : Not regulated by DOT for ground transportation. If shipped by air (IATA) or water (IMDG), ship as a Marine Pollutant.

Transport Hazard Class : None

UN Identification Number : None

Packaging Group : None

Environmental Hazards : Not listed as a Marine Pollutant per Appendix B to 49 CFR 172.101.

Transport in Bulk : Not regulated by DOT.

Special Precautions for Transportation : If shipped by air (IATA) or water (IMDG), ship as: UN3077, Environmentally Hazardous Substance, Solid, n.o.s., (Acephate), 9, PG III, Marine Pollutant.

Freight Classification : Pesticides, NOI, Insecticides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating

Health: 2 Fire: 0 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: N
Sudden Release of Pressure: N
Fire: N
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 : 5905-620

FIFRA Signal Word : Caution

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Harmful if absorbed through skin. Harmful if swallowed or inhaled.

FIFRA Label Statement : Causes eye irritation. Avoid contact with eyes, skin, and clothing.

FIFRA Label Statement : Avoid breathing dust or spray mist.

FIFRA Label Statement : Wash thoroughly with soap and water after handling and

FIFRA Label Statement : before eating, drinking, chewing gum, using tobacco, or using the toilet.

FIFRA Label Statement : Remove and wash clothing before reuse.

16. Other Information

Data of Preparation/Revision : 12-October-2021