



Safety Data Sheet

Report Date 15-Nov-19

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1. Identification

Product Name : OMNI BRAND GLUFOSINATE 280SL
Synonyms : None
Product Use : Non-selective Herbicide
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 : Causes mild skin irritation
Eye Irritation : Causes serious eye irritation
Acute Toxicity Oral : LD50 >300 to <2,000 mg/kg (rat)
Acute Toxicity Dermal : LD50 2,088 mg/kg (rat)

Hazard Categories : Oral/Dermal/Inhalation Toxicity-4/5/4; Eye/Skin Irritation-2A/3; Skin Sensitization-1

Hazard Statement : Harmful if swallowed
May be harmful in contact with skin
Harmful if inhaled
Causes serious eye irritation
Causes mild skin irritation
May cause an allergic skin reaction

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Glufosinate-ammonium	77182-82-2	24.5
Proprietary formulation ingredients	Trade Secret	75.5

4. First Aid Measures

Eye : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin : Wash with plenty of water. Call a poison control center or doctor if you feel unwell. Immediately take off all contaminated clothing and wash before reuse. If skin irritation or rash occurs, call a poison control center or doctor for treatment advice.
Inhalation : Move to fresh air. Call a poison control center or doctor if irritation persists.
Ingestion : Call a poison control center or doctor if feeling unwell. Rinse mouth out and have person sip a glass of water if able to swallow. Do not induce vomiting unless advised to by a poison control center or doctor. Do not give anything by mouth if unconscious.
Indication of Immediate Medical Attention and Special Treatment Needed : If this product is ingested, endotracheal intubation and gastric lavage should be performed as soon as possible, followed by charcoal and sodium sulfate administration.

5. Fire Fighting Measures



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- Extinguishing Media** : Do not use high-volume water jet. Use foam, carbon dioxide, dry chemical or water mist. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.
- Specific Hazards Arising from the Chemical** : Thermal decomposition will release irritating gases and fumes.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated fire fighting water; do not allow to enter drains or waterways.

6. Accidental Release Measures

- Personal Precautions** : Isolate the hazard area and keep unnecessary and unprotected personnel from entering.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water.
- Methods and Materials for Containment and Cleanup** : For spills on floors or paved surfaces, mop up and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label. Dike and contain the spill with inert material such as sand, earth, etc. Transfer liquid to containers and solid diking material to separate containers for recovery and disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Do not get in eyes, on skin or clothing. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Conditions for Safe Storage** : Do not use or store near heat or open flame. Keep the container tightly closed and dry in a cool, well-ventilated place. Storage temperature should not exceed 125 Degrees F. If storage temperature for bulk is below 32 Degrees F., the material should not be pumped until its temperature exceeds 32 Degrees F. Protect against direct sunlight.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established.
- Appropriate Engineering Controls** : General and/or local exhaust should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, chemical-resistant apron and gloves (barrier laminate/butyl rubber/nitrile), coveralls over short-sleeved shirt/short pants. Respiratory protection not normally needed. Eyewash/emergency shower.

9. Physical and Chemical Properties

- Odor/Appearance** : Amber liquid with mild odor.
- Flash Point, °F** : >230 Degrees F.
- Boiling Point, °F** : No information found



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Melting Point(Freezing point), °C : No information found
Vapor Pressure, mm Hg @ 20 °C : No information found
Vapor Density : No information found
Solubility in Water : Soluble
Molecular Formula : No information found
Density, g/mL @ 25 °C : 1.125 (9.39 lbs/gal)
Evaporation Rate(Butyl Acetate = 1) : No information found
Octanol/Water Partition Coefficient : No information found
pH : 4.5 to 5.0
Flammable Limits (approximate volume % in air) : No information found
Auto-ignition Temperature : No information found
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : Not reactive
Chemical Stability : Stable
Hazardous Decomposition : Thermal decomposition may release oxides of carbon and sulfur oxides. No decomposition will occur when stored as prescribed.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Do not allow to freeze.
Incompatible Materials : Strong acids, strong bases and strong oxidizing agents.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >300 and <= 2,000 mg/kg (rat). Harmful if swallowed.
Acute Toxicity (Dermal LD50) : 2,088 mg/kg (rat). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : 2.1 mg/L/4 hour (rat). Harmful if inhaled.
Likely Routes of Exposure : Ingestion, inhalation, skin and eye contact.
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes serious eye irritation.
Skin Sensitization : May cause an allergic skin reaction.
Carcinogenic : Not carcinogenic in a lifetime feeding study using rats and mice.
Chronic Effects : No evidence of reproductive toxicity in animal studies. No evidence of mutagenic effects during in vivo and in vitro assays.
Other Hazards : CA PROPOSITION 65 WARNINGS: No listed ingredient appears on the CA PROPOSITION 65 WARNINGS listing.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

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.



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14. Transport Information

UN Proper Shipping Name : Not regulated by DOT, IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : Not regulated by DOT in bulk packages.
Special Precautions for Transportation : No information found
Freight Classification : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating

Health: 2 Fire: 1 Reactivity: 1
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: 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 : 5905-621

FIFRA Signal Word : Warning

FIFRA Label Statement : Keep out of reach of children

FIFRA Label Statement : Causes substantial but temporary eye injury.

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

FIFRA Label Statement : Do not get in eyes. Avoid contact with skin or clothing.

FIFRA Label Statement : Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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

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

16. Other Information

Data of Preparation/Revision : 15-November-2019