



SAFETY DATA SHEET

SDS ID: 74530-52

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Helosate 75 SG Herbicide
Product use / type:	Herbicide
EPA Registration No.:	74530-52
Chemical name / active ingredient(s):	Glyphosate, ammonium salt
Manufacturer / Registrant:	Helm Agro US, Inc. 401 E. Jackson St., Suite 1400 Tampa, FL 33602
Manufacturer's Telephone:	813-621-8846
Email:	info@helmagro.com
Chemical emergencies:	1-800-424-9300 (Chemtrec)

2. HAZARDS IDENTIFICATION

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

Classification

Serious Eye Damage / Eye Irritation	Category 1
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EMERGENCY OVERVIEW

Signal Word: DANGER

Pictogram:



Appearance: White granules

Physical state: Solid

Odor: Amine

Hazard Statements:

- Causes serious eye damage

Precautionary Statements:

- Wear protective gloves/eye protection/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor/get medical attention.

Other Information / Potential Hazards:

May be harmful if swallowed.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight % **
Ammonium glyphosate	40465-66-5	75.7
Ammonium sulfate	7783-20-2	10 – 20
Other ingredients	Proprietary	7 – 13

** Exact concentration of components withheld as a trade secret. Values are not product specifications.

4. FIRST AID MEASURES

If in Eyes:	<ul style="list-style-type: none">• Hold eye open and rinse gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none">• Remove contaminated clothing and shoes.• Rinse skin with plenty of water for 15 minutes. If irritation develops, call a poison control center or seek medical advice.
If inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or get medical help, then give artificial respiration, preferably by mouth-to-mouth.
If swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
Note to Physician:	<ul style="list-style-type: none">• Probable mucosal damage may contraindicate the usage of gastric lavage. Treat symptomatically.
First-aider protection:	Avoid contact with skin. Use barrier to give mouth-to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable properties:	Non-flammable. Avoid generation of dust. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Extinguishing media	Water spray, alcohol resistant foam, CO ₂
Unsuitable extinguishing media:	High pressure water streams.
Firefighting measures:	Move container from fire area if it can be done without risk. Use extinguishing media appropriate for

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surrounding fire. Prevent contaminated firefighting waters and spillage from entering sewers, drains and waterways. Do not breathe gases, smoke or generated vapors.

Protective equipment and precautions for firefighters:

Wear full protective firefighting gear including self-contained breathing apparatus pressure demand (MSHA/NIOSH approved or equivalent).

Hazardous decomposition products:

Oxides of carbon and nitrogen. May release irritating and toxic gases due to thermal decomposition.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear protective gloves / clothing and eye / face protection. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation.

Environmental precautions:

Prevent further spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Do not flush into drains, surface water or sanitary sewer system.

Methods for containment:

Contain spill with inert material (e.g. sand, silical gel, binder).

Methods for cleanup:

Pick up and transfer to properly labeled containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Minimize dust generation and accumulation.

Precautions for safe storage:

Store and handle in accordance with all current regulations and standards. Store in a tightly closed container. Store in a cool, dry place. Store in a well-ventilated area. Protect from sunlight. Keep away from incompatible materials.

Incompatible storage situations:

Do not store in galvanized steel containers. Separate pesticides during storage to prevent cross-contamination of other pesticides, fertilizers, food, and feed.

8. EXPOSURE CONTROL / 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:

Ensure adequate ventilation, especially in confined

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areas. Provide appropriate exhaust ventilation in places where dust may be formed.

Personal protective equipment

Eye / face protection:

Wear chemical-tight goggles. If splashing is likely to occur, wear a full face shield.

Body / skin protection:

Long sleeved shirt, long pants, shoes plus socks.

Hand protection:

Wear chemical resistant gloves.

Respiratory protection:

If handling without sufficient ventilation, wear a dust / mist filtering respirator with organic cartridge(s).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid, granules
Appearance:	White
Odor:	Amine-like
pH:	3.0 – 6.0 (1% solution)
Boiling point:	Not applicable
Flash point:	Not applicable
Relative density:	0.6 g/ml
Water solubility:	Soluble
Viscosity:	Not applicable
Log pow:	No information available

10. STABILITY AND REACTIVITY

Reactivity / chemical stability:

Stable at normal temperature and conditions.

Conditions / Materials to avoid:

Avoid generation of dust. Direct sunlight. Strong oxidizing agents. Galvanized steel containers and spray equipment.

Hazardous decomposition products:

Under fire conditions: oxides of carbon and nitrogen.

Hazardous reactions:

Not expected under normal conditions of handling and use.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation:

No information available

Ingestion:

May be harmful if swallowed.

Eye contact:

Causes serious eye damage.

Skin contact:

May cause skin irritation to susceptible persons.

Symptoms:

Contact with eyes will cause burning.

Product toxicology:

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Acute oral LD50:	Rat LD ₅₀ : 5000 mg/kg
Acute dermal LD50:	Rat LD ₅₀ : >5000 mg/kg
Acute inhalation LC50:	Rat 4-hr LC50: >2.10 mg/l
Eye irritation:	Causes severe eye irritation.
Skin irritation:	May cause slight skin irritation.
Sensitization:	Not a sensitizer.

Component toxicology:

Acute oral LD50:	Ammonium sulfate: Rat LD ₅₀ : 2000 mg/kg Dispersing agent: Rat LD ₅₀ : 71 mg/kg
Acute dermal LD50:	Dispersing agent: Rat LD ₅₀ : 1300 mg/kg
Acute inhalation LC50:	No information available
Carcinogenicity:	No component of this product is listed by IARC, OSHA, NIOSH or NTP.
Mutagenic effects:	No information available

12. ECOLOGICAL INFORMATION

Environmental Hazards:	May be harmful to aquatic life. Do not apply to any body of water.
Persistence and degradability:	No information available
Bioaccumulation:	No information available
Environmental fate:	No information available

13. DISPOSAL CONSIDERATIONS

Product disposal:	Wastes resulting from the use of this product that cannot be used must be disposed in accordance with applicable Federal, State or local regulations at an approved waste disposal facility. Do not dispose of waste material into the environment.
Container disposal:	Emptied container retains product residue. Observe all labeled safeguards until container is destroyed or offered for recycling. Clean container promptly after emptying.

14. TRANSPORT INFORMATION

U.S. DOT:	Not regulated for transport.
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15. REGULATORY INFORMATION

U.S. Federal Regulations:

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: DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Wash thoroughly with soap and

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water after handling and before eating, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before re-use.

TSCA: Exempt regulated under FIFRA.
SARA 311/312: Health, acute
SARA 313: No components listed
CERCLA: No components listed

U.S. State Regulations:

State Right-to-Know Regulations:

Component	CAS No.	CA	MA	NY	NJ	PA
Ammonium sulfate	7783-20-2	No	Yes	Yes	No	Yes

California Proposition 65: This product does not contain substances known to the state of California to cause cancer and/or reproductive/developmental effects.

16. OTHER INFORMATION

<u>NFPA Ratings:</u>	Health	Fire	Instability
	3	1	0

Revision No.: 1.0
Revision Date: 04-Feb-2017
Revision Note: SDS Sections changed: 1, 2, 5.

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; CST - Centistokes; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; GHS - Global Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Association; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Other information / Disclaimer

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End of Safety Data Sheet