



SAFETY DATA SHEET

SDS ID: 74530-68

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	SHERIDAN 25 WG
Product use / type:	Herbicide
Uses advised against / restrictions:	See label.
EPA Registration No.:	74530-68
Chemical name / synonym / active ingredient(s):	Chlorimuron ethyl; Ethyl-2-[[[(4-chloro-6-methoxyprimidin-2-yl)amino]carbonyl]-amino]sulfonyl]benzoate;
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 2B
Specific Target Organ Toxicity – repeat exposure	Category 2

EMERGENCY OVERVIEW

Signal Word: WARNING

Pictogram:



Appearance: Off-white to light beige

Physical state: Solid, granule

Odor: Slightly faint

Hazard Statements:

- Causes eye irritation.
- May cause damage to organs through prolonged or repeated exposure. (lungs)

Precautionary Statements:

- Wash hands and face thoroughly after handling.
- Do not breathe dust/fume/gas/mist/vapors/spray.

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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention / advice.
- Get medical advice/attention if you feel unwell.
- Dispose of contents/container in accordance with local/state/federal regulations.

Other Information / Potential Hazards:

May cause mechanical irritation of eyes.

May be harmful if swallowed.

Toxic to aquatic organisms.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight % **
Ethyl-2-[[[(4-chloro-6-methoxyprimidin-2-yl)amino]carbonyl]-amino]sulfonyl]benzoate	90982-32-4	25.0
Quartz (clay impurity)	14808-60-7	0.2 – 0.4
Other ingredients	-	74.6 - 74.8

** 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.• Call a poison control center or doctor for treatment 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 with the aid of a pocket mask equipped with a one-way valve.• Call a poison control center or doctor for further treatment advice.
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.
First Aid Note:	<ul style="list-style-type: none">• Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. FIRE-FIGHTING MEASURES

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Flammable properties:	Not flammable.
Extinguishing media:	Water fog, dry chemical, foam or CO ₂
Unsuitable extinguishing media:	High pressure water streams.
Specific material hazards	Extreme dust can produce explosive mixtures in air.
Firefighting measures:	Use extinguishing media appropriate for surrounding fire. Prevent contaminated firefighting waters and spillage from entering sewers, drains and waterways.
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 vapors due to thermal decomposition.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Isolate and post spill area. Wear protective gloves / clothing and eye 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 surface water or sanitary sewer system. If spill is on soil near desirable trees or plants remove top soil after initial clean-up.
Methods for containment:	Contain spill with inert material (e.g. sand, silical gel, binder). Prevent formation of dust with sweeping compound.
Methods for cleanup:	Pick up by shovel 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. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Prevent formation of dust.
Precautions for safe storage:	Store and handle in accordance with good industrial hygiene practices. Keep container tightly closed. Store in a cool and well-ventilated place.
Incompatible storage situations:	Separate pesticides during storage to prevent cross-contamination of other pesticides, fertilizers, food, and feed.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Guidelines:

	NIOSH	ACGIH	OSHA
Quartz (14808-60-7)	0.05 mg/ m3 REL respirable dust	0.025 mg/m3 TLV-TWA respirable fraction	0.1 mg/m3 TWA respirable dust
Commercial applicators and/or on-farm applications should refer to the product label for personal protection equipment.			
Engineering controls:	Emergency eye wash/drench in work area. Emergency shower or suitable water supply near the work area. Ensure adequate ventilation, especially in confined areas.		
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. Wash work clothing before reuse.		
Hand protection:	Wear gloves / hand protection.		
Respiratory protection:	If handling without sufficient ventilation, wear a dust / mist filtering respirator with organic cartridge(s) or pesticide rated filters.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid - granule
Appearance:	Off-white to beige
Odor:	Slightly faint
pH:	6.18 (1% aqueous suspension)
Melting point:	Not applicable
Flash point:	Not flammable
Relative density:	Pour 0.79 g/ml Tap 0.84 g/ml
Water solubility:	Miscible - dispersible
Vapor pressure:	Not applicable
Log pow:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity / chemical stability: Stable under normal temperature and conditions.

Conditions / Materials to avoid: Avoid creation of dust.

Hazardous decomposition products: Oxides of carbon, nitrogen, sulfur and hydrogen

chloride.

Hazardous reactions: Not expected under normal conditions of handling and use.

11. TOXICOLOGICAL INFORMATION

Product toxicology:

Acute oral LD50: Rat LD₅₀: >5000 mg/kg
Acute dermal LD50: Rat LD₅₀: >5000 mg/kg
Acute inhalation LC50: Rat LC₅₀: >5.02 mg/L
Eye irritation: Moderate eye irritant. Mechanical irritation of the eyes is possible.
Skin irritation: Non-irritating.
Sensitization: Not a sensitizer.

Component toxicology:

Quartz (14808-60-7)
Specific target organ toxicity - repeat exposure Lunge effects, fluid retention in lungs, fibrosis, inflammation.
Carcinogenicity: NTP and IARC listed carcinogen.

12. ECOLOGICAL INFORMATION

Environmental Hazards: Toxic to aquatic organisms. Keep out of any body of water.
Ecotoxicity: 96-hour LC₅₀: 8.4 mg/L *Onchorhynchus mykiss*
 Chlorimuron ethyl (90982-32-4) 96-hour LC₅₀: 2.0 mg/L *Lepomis macrochirus*
 48-hour EC₅₀: >10.0 mg/L *Daphnia magna*
Persistence and degradability: No information available.
Bioaccumulation: Low potential for bioaccumulation.

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.
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

15. REGULATORY INFORMATION

U.S. Federal Regulations:

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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: Caution

EPA Registration No.: 74530-68

Hazards to Humans and Domestic Animals

Causes moderate eye irritation. Avoid contact with eyes or clothing. [Wear protective eyewear.]* Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear: Long-sleeved shirt and long pants, socks and shoes.

Environmental Hazards

DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. DO NOT contaminate water when cleaning equipment or disposing of equipment wash water or rinsate. DO NOT apply where or when conditions favor runoff.

TSCA: Product is exempt from TSCA chemical inventory; regulated under FIFRA.
SARA 311/312: Acute, chronic health hazard.
SARA 313: Chlorimuron ethyl (CAS# 90982-32-4)
CERCLA: None listed.

U.S. State Regulations:

State Right-to-Know Regulations:

Component	MA	NJ	PA	NY
Chlorimuron ethyl	X	X		
Quartz	X	X	X	X

California Proposition 65: Crystalline silica as airborne particles of respirable size.

16. OTHER INFORMATION

NFPA Ratings:	Health	Fire	Instability
	1	1	0

Revision No.: 1.0
Revision Date: 16 December 2015
Revision Note: Address change

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 -

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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

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

End of Safety Data Sheet