

ELEGANCE SUPER 750 WDG

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ELEGANCE SUPER 750 WDG
Other identifier: Chlorimuron-ethyl 750 WDG
Recommended use: Herbicide
Restrictions on use: Agricultural + Small scale farming

Supplier: Villa Crop Protection (Pty) Ltd.
Co. Reg. No.: 1992/002474/07
 PO Box 10413,
 Aston Manor, 1630, South Africa

Telephone: (011) 396 2233

Fax: (011) 396 4666

Website: www.villacrop.co.za

Emergency telephone numbers:

24 Hr Transport / Spill emergency no:

Envirosure. +27 31 205 4918

(Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

Griffon Poison Information Centre +27 82 446 8946

(Client: Villa Crop Protection)

Poisoning Emergency telephone numbers:

Griffon Poison Information Centre +27 82 446 8946

Poisons Information Centre +27 861 555 777

Villa Crop Protection Emergency number:

National Safety, Health and Environmental Manager:

+27 63 698 0668

2. HAZARDS IDENTIFICATION

UN GHS, Regulation EC 1272/2008 [EU-GHS/CLP] EU & SANS 10234:2008		
Hazard classes	Hazard categories	H-statements
Health		
Oral	Acute Tox. 5	H303
Dermal	Acute Tox. 5	H313
	Skin irrit. 3	H316
Eye	Eye irrit. 2/2A	H319
Inhalation	Acute Tox. 5	H333
Specific Target Organ Toxicity Repeated Exposure	STOT RE 2	H373
Environment		
Aquatic acute	Aquatic Acute 1	H400
Aquatic chronic	Aquatic Chronic 1	H410

The most important adverse effects:

Physiochemical effects: None known

Human health effects:

Causes damage to organs (blood) through prolonged or repeated exposure.

Label elements:



Signal word: Warning

Hazard statements:

H303: May be harmful if swallowed.

H313: May be harmful in contact with skin.

H316: Causes mild skin irritation.

H319: Causes serious eye irritation.

H333: May be harmful if inhaled.

H373: May cause damage to organs (blood) through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P264: Wash hands and face thoroughly after handling.

P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337/313: If eye irritation persists: Get medical advice.

P273: Avoid release into the environment.

P391: Collect spillage.

P501: Dispose of contents/container to suitable landfill in accordance with local regulations.

Special labelling of certain mixtures:

None known.

Other hazards:

None known.

Toxicity:

Classification according to GHS: Category 5

Classification according to WHO: Category III

Classification according to GPIC: Unclassified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Active Ingredient	CAS #	Content (m/v%)	GHS
Chlorimuron-ethyl (95% min)	90982-32-4	75%	STOT RE 2 (H373) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

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Sodium dodecyl benzenesulfonate	25155-30-0	< 5 %	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)
Calcium dodecyl benzene sulfonate	26264-06-2	< 5 %	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 4 (H413)

Protein metabolism disturbances, moderate emphysema, and weight loss with chronic exposure.
Advice to physician: Aspiration hazard may contraindicate the use of gastric lavage. No specific antidote. Treat symptomatically and give supportive therapy. Contact local Poison Centre if needed.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Extinguish fires with carbon dioxide, dry powder, or alcohol-resistant foam.
Unsuitable Extinguishing Media: Water spray can be used for cooling of unaffected stock, but avoid water coming in contact with the product. Use as little water as possible. Use spray or fog. Solid stream may cause spreading. Contain water used for fire fighting for later disposal. Avoid the accumulation of polluted run-off from the site.

Specific hazards: Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

Special Fire Fighting Procedures: Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Contain fire control agents for later disposal. Avoid pollution of waterways by run-off from the site.

Personal protective equipment: Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES (Spillage)

Personal precautions: Avoid contact with skin and eyes. Do not breathe in dust or mist.

Protective equipment: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

Emergency procedures: Alert firefighting personnel, evacuate unprotected personnel and animals.

Environmental Precautions: Prevent spilled product from entering sewers, waterways or ground water. This product is classified to be very toxic to aquatic organisms and will cause long-term adverse effects in the aquatic environment. Any spillages or uncontrolled discharges into watercourses should be reported immediately to the police and the Department of Water/Environmental Affairs.

4. FIRST AID MEASURES AND PRECAUTIONS

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor. **Chlorimuron-ethyl** is unlikely to cause systemic toxicity unless large amounts have been ingested.

Inhalation: Immediately remove source of contamination or move victim to fresh air. If breathing has stopped, perform artificial respiration and administer oxygen. Avoid mouth-to-mouth resuscitation. Keep person warm and at rest. Treat symptomatically and supportively as and when required. Seek medical advice immediately.

Skin contact: Remove contaminated clothing and shoes immediately. Gently wipe off excess chemical. Wash skin gently and thoroughly with non-abrasive soap or mild detergent and large amounts of water until no evidence of chemical remains. Seek medical advice if necessary.

Eye contact: Flush eyes immediately with large amounts of gently flowing cold water or normal saline solution, occasionally lifting upper and lower lids, until no evidence of chemical remains (approximately 15 to 20 minutes). If irritation persists, get medical attention.

Ingestion: Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

Anticipated acute effects: See "Most important symptoms/effects."

Anticipated delayed effects: See "Most important symptoms/effects."

Most important symptoms/effects: Many substituted ureas are irritating to eyes, skin and mucous membranes. Coughing and shortness of breath. Nausea, vomiting, diarrhea, headache, confusion and electrolyte depletion.

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Methods and Materials for Containment: Contain spilled product.

Methods and Materials for Clean-up: Contain spilled product by picking up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal. Do not create a powder cloud by using a brush or compressed air. Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spilled material. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. See section 13 for disposal considerations.

7. HANDLING AND STORAGE REQUIREMENTS

Handling: Harmful if swallowed. Avoid inhalation and contact with eyes and skin. Ensure adequate ventilation during handling and use. Do not handle broken packages without protective equipment. Immediately clean up spills that occur during handling. Keep containers closed when not in use. In the case of contact with the product refer to First Aid Measures – Section 4.

General occupational hygiene: Practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used.

Storage:

Conditions for safe storage: Keep out of reach of unauthorised persons, children and animals. Store in its original, labelled container, tightly closed, in an isolated, dry, cool and well-ventilated area. Avoid excess heat. Not to be stored next to foodstuffs, feed and water supplies. Avoid cross contamination with other pesticides and fertilisers.

Incompatible substances and mixtures: Refer to product label.

Packaging material: Water soluble bags + boxes.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Permissible concentration

Components	Exposure limits	Type of exposure limit	Source
Starch	10.5 mg/m ³	TWA OEL-RL	"Hazardous Chemical Substances Regulations, 1995"

Engineering Controls:

It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OELs or other specified exposure limits. Local exhaust ventilation is preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory protection: For most well-ventilated conditions, no respiratory protection should be needed. If used in a poorly ventilated area (airborne concentrations exceed exposure limits), use a NIOSH approved air-purifying respirator.

Hand Protection: The use of chemically protective gloves is recommended to prevent against skin contact.

Eye Protection: The use of chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices.

Skin and Body Protection: Employee must wear appropriate protective clothing; boots, hat and equipment to prevent repeated or prolonged skin contact with this substance.

Emergency eyewash: Where there is any possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Water dispersible granule

Colour: Off-white

Odour: Odourless

pH (1% aqueous dilution): 6 to 8

Melting point: 181 °C (active)

Freezing Point: Not available.

Boiling Point: Not available.

Flash point: N/A

Flammability: Non-flammable.

Upper/lower explosion limits: Not applicable.

Vapour Pressure (mm Hg): Not available.

Relative Vapour Density: Not available.

Relative density: 0.78 g/l at 20°C

Solubility: Dispersal in water.

n-octanol/water partition coefficient: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not applicable.

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10. STABILITY AND REACTIVITY

Chemical Stability: The product is stable for two years at ambient temperature and pressure, under normal storage and handling conditions. Avoid storage under extreme temperatures and conditions. Store below 50 °C, preferably below 30 °C, and not for prolonged periods in direct sunlight.

Reactivity: None known.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Extreme heat or exposure to flames.

Incompatible Materials: Refer to label.

Hazardous Decomposition Products: When exposed to extreme heat or flames oxides of carbon and nitrogen may be produced.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Based on calculated data – for WHO & GHS

Acute oral LD₅₀: > 4690 mg/kg in rats

Acute dermal LD₅₀: >2660 mg/kg in rabbits

Acute inhalation LC₅₀: >6.66 mg/l air /4 hours

Skin Irritation/Corrosion: Mild skin irritant in rabbits.

Eye Damage/Irritation: Causes serious eye irritation in rabbits.

Skin Sensitization: Not available.

Respiratory Sensitization: Not available.

Reproductive cell mutagenicity: Not available.

Carcinogenicity: Not available.

Reproductive toxicity: Not available.

Specific target organ toxicity – single exposure: Not available.

Specific target organ toxicity – repeated exposure: Causes damage to organs (blood) through prolonged or repeated exposure.

Aspiration hazard: Not available.

Chronic Effects: Not available.

POTENTIAL ADVERSE EFFECTS:

Inhalation: See “Most important symptoms/effects” Section 4.

Skin contact: See “Most important symptoms/effects” Section 4.

Eye contact: See “Most important symptoms/effects” Section 4.

Ingestion: See “Most important symptoms/effects” Section 4.

12. ECOLOGICAL INFORMATION

This product is considered a marine pollutant.

Bees: LD₅₀ (48 h) >12.5 µg/bee.

ECOTOXICITY DATA:

Fish:

LC ₅₀ (96 h)	Trout	>1000 mg/l.
	Bluegill sunfish	>100 mg/l.

Daphnia:

LC ₅₀ (48 h)		>1000 mg/l.
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Birds:

Acute oral LD ₅₀ (14 d)	Mallard ducks	>2510 mg/kg.
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Dietary LC ₅₀	Mallard ducks Bobwhite quail	>5620 ppm diet.
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Bees:

LD ₅₀ (48h)		>12.5 µg/bee.
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Worms:

LC ₅₀	<i>Eisenia foetida</i>	>4050 mg/kg.
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Plants: Residue data support a 0.01 ppm tolerance for soybean seeds.

Animals: Chlorimuron-ethyl is rapidly and extensively metabolised in the hen. Chlorimuron-ethyl is practically non-toxic to birds and mammals. It is toxic to fish and invertebrates. It is not expected to adversely affect endangered/threatened species because of low toxicity and low application rate.

ENVIRONMENTAL EFFECTS:

Persistence and degradability: K_d >1.60 (pH 4.5, 5.6% o.m.), 0.28 (pH 5.8, 4.3 % o.m.), <0.03 (pH 6.5, 2.1% o.m.), <0.03 (pH 6.6, 1.1 % o.m.).

Bio-accumulative Potential: Not determined.

Mobility in soil: Not determined.

Other adverse effects: Not determined.

13. DISPOSAL CONSIDERATION

Waste: Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal. The product may be taken to a registered waste disposal site or incineration plant. **Container:** Empty containers by inverting the empty container over the spray or mixing tank. Thereafter, rinse the container three times with a volume of water equal to a minimum of one third of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Destroy the container by perforating and flattening and dispose of through an approved waste dump

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site, incineration plant or recycling company. Observe all labelled safeguards until container is destroyed.

containers/bags, labelled according to South African regulations and guidelines.

14. TRANSPORT INFORMATION

UN No.: 3077
Road Transport ADR/IRD:
 Class: 9
 Packaging group: III
 UN Proper Shipping Name: Environmentally Hazardous Substance, solid, N.O.S + Marine pollutant
 (Chlorimuron-ethyl 750 g/kg)

Maritime Transport IMDG/IMO:
 Class: 9
 Packaging group: III
 UN Proper Shipping Name: Environmentally Hazardous Substance, solid, N.O.S + Marine pollutant
 (Chlorimuron-ethyl 750 g/kg)

Air Transport IATA/ICAO:
 Class: 9
 Packaging group: III
 UN Proper Shipping Name: Environmentally Hazardous Substance, solid, N.O.S + Marine pollutant
 (Chlorimuron-ethyl 750 g/kg)

Special/Environmental Precautions: Wedge drums tightly to avoid movement.

Transport in bulk (according to MARPOL 73/78, Annex II and the IBC code): Not available.

Additional H statements (formulants):

H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H413: May cause long lasting harmful effects to aquatic life.

Disclaimer: The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

END OF DOCUMENT

Compiled: December 2019
Reviewed: December 2019
Revision no.: (1)
Next revision date: December 2024

For detailed information on revisions, contact the Registration holder.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:
 OHSA 1993 Regulations for Hazardous Chemical Substances.

Relevant information regarding restrictions: None.

EU regulation: Regulation EC1272/2008 (EU-GHS/CLP)

Other national regulations: None.

Chemical Safety Assessment carried out? No

16. OTHER INFORMATION

Packaging: Packed in 14 g water soluble bags x 10 in 1 sachet x 10 sachets per box: 140, 280, 420, 500 g, 1, 1.4, 2.8, 5, 5.6, 10, 11.2, 20, 25, 50 and 100 kg