

# DISGRAN 750 WDG

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** DISGRAN 750 WDG  
**Other identifier:** Triasulfuron 750 WDG  
**Recommended use:** Herbicide  
**Restrictions on use:** Agriculture

**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](http://www.villacrop.co.za)

**Emergency telephone numbers:**  
**24 Hr Transport / Spill emergency no:**  
(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

## 2. HAZARDS IDENTIFICATION

| UN GHS, Regulation EC 1272/2008 [EU-GHS/CLP] EU & SANS 10234:2008 |                               |              |
|---|-------------------------------|--------------|
| Hazard classes  | Hazard categories             | H-statements |
| <b>Health</b>   |                               |              |
| Oral  | Acute Tox. 5                  | H303         |
| Dermal  | Acute Tox. 5<br>Skin Irrit. 2 | H313<br>H315 |
| Eye   | Eye Dam. 1                    | H318         |
| <b>Environment</b>  |                               |              |
| 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 skin irritation (Skin Irrit. 2).  
Causes serious eye damage (Eye Dam.1).

### Label elements:



**Signal word:** Danger.

### Hazard statements:

H303: May be harmful if swallowed.  
H313: May be harmful in contact with skin.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
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.  
P264+P265: Wash hands thoroughly after handling. Do not touch eyes.  
P273: Avoid release to the environment.  
P280: Wear impervious rubber gloves and boots, protective clothing, and chemical safety goggles.  
P301+P317: IF SWALLOWED: Get medical help.  
P302+P317: IF ON SKIN: Get medical help.  
P302+P352: IF ON SKIN: Wash with plenty of water and non-abrasive soap.  
P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P317: If skin irritation occurs: get medical help.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P391: Collect spillage.  
P501: Dispose of contents/container in accordance with local regulations.

### Other hazards:

None known.

### Toxicity:

Classification according to GHS: Category 5.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance / Mixture:** Mixture.

**Composition:**

| Chemical name                               | CAS        | Conc. (m/m%) | Classification WDG 1272/2008  |
|---|------------|--------------|---|
| Triasulfuron (95%) technical                | 82097-50-5 | 75 %         | Aquatic Acute 1 (H400)<br>Aquatic Chronic 4 (H413)  |
| Auxiliaries (Sodium alkylbenzene sulfonate) | 68411-30-3 | < 10 %       | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)<br>Eye Dam.1 (H318)<br>Aquatic Chronic 3 (H412) |

## 4. FIRST AID MEASURES

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.

**Inhalation:** Remove person from contaminated area to fresh air and assist if breathing is needed. Seek medical attention if irritation occurs.

**Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and

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thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.

**Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Obtain medical attention if irritation persists.**

**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:** None known.

**Anticipated delayed effects:** None known.

**Most important symptoms / effects:** Causes serious eye damage. Causes skin irritation.

**Advice to physician:** Treat symptomatically and supportively. No specific antidote known.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use carbon dioxide or dry chemical for small fires and water fog or foam for large fires.

**Unsuitable Extinguishing Media:** High volume water jet. Use a water jet only to cool heated containers.

**Specific hazards:** Fire decomposition products from this product, may be toxic if inhaled.

**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. Remain upwind of fire. 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

**Personal precautions:** Avoid contact with eyes and skin. Do not breathe in spray mist or dust. Ventilate area of spill or leak, especially in contained areas.

**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 as very toxic to aquatic organisms and may 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.

**Methods and Materials for Containment:** Contain spilled product by diking area with sand or earth.

**Methods and Materials for Clean-up:** Contain spilt 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 spilt material back in original container. Do not re-use spilt 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 spilt material or washings into drains or waterways. See section 13 for disposal considerations.

### 7. HANDLING AND STORAGE

#### Handling:

**Precautions for safe handling:** Avoid 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/bags 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 under lock and key and out of reach of unauthorised persons, children, and animals. Store in its original, labelled container/bags, tightly closed in an isolated, dry, cool and well-ventilated area. Do not store near heat, open flame, sources of ignition or hot surfaces – 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 sachets, plastic containers, sealed foil bags, woven bags or 3 ply paper bags.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Permissible concentration**

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Permissible concentration: No occupational exposure limits have been determined for the significant ingredients in this product.

### 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 with cartridges / canisters approved for organic vapours.

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

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

**Skin and Body Protection:** Employees must wear appropriate protective clothing e.g., coveralls, 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 product, 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:** Light brown to Dark brown granules.

**Odour:** Odourless.

**Odour threshold:** Not available

**pH (1% aqueous dilution):** 6.7.

**Melting point:** Not available.

**Freezing Point:** Not available.

**Boiling Point:** Not available.

**Flash Point:** Not applicable.

**Flammability:** Not applicable.

**Upper / lower explosion limits:** Not available.

**Vapour Pressure (mm Hg):** Not available.

**Relative Vapour Density:** Not available.

**Density / Relative density:** 0.5 g/ml.

**Solubility:** Forms suspension in water. Wettable.

**n-octanol / water partition coefficient:** Not available.

**Auto-ignition temperature:** Not applicable.

**Decomposition temperature:** Not available.

**Viscosity:** Not applicable.

## 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 at low temperature conditions, below 50 °C, preferably below 30 °C, and not for prolonged periods in direct sunlight.

**Reactivity:** None known.

**Possibility of hazardous reactions:** Unlikely to occur.

**Conditions to avoid:** Avoid contact with strong oxidizing agents and extreme heat or exposure to flames.

**Incompatible materials:** Strong oxidizers, strong bases, strong reducing agents.

**Hazardous decomposition products:** Fire causes carbon dioxide, carbon monoxide and smoke. Nitrogen compounds, under certain circumstances, and oxides of nitrogen. Occasionally hydrogen cyanide gas, oxides of sulphur (sulphur oxide is a respiratory hazard), other sulphur compounds, hydrogen chloride gas and other compounds of chlorine may be formed.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:** Calculated.

**Oral LD<sub>50</sub> (24h)** >3300 mg/kg (rats)

**Dermal LD<sub>50</sub>** >2500 mg/kg (rats)

**Inhalation LC<sub>50</sub> (4h)** Not classified.

**Skin Irritation:** Causes skin irritation.

**Eye Damage:** Cause serious eye damage.

**Skin Sensitization:** Not classified.

**Respiratory Sensitization:** Not classified.

**Reproductive cell mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Reproductive toxicity:** Not classified.

**Specific target organ toxicity – single exposure:** Not classified.

**Specific target organ toxicity – repeated exposure:** Not classified.

**Aspiration hazard:** Not classified.

**Chronic Effects:** None known.

### POTENTIAL ADVERSE EFFECTS:

**Skin:** Due to inerts, this product can cause skin irritation.

**Eyes:** Due to inerts, this product can cause serious eye damage.

**Other information:** Not available.

## 12. ECOLOGICAL INFORMATION

This product is considered as marine pollutant and expected to be very toxic to aquatic organisms.

### ECOTOXICITY DATA:

**Active ingredient:** Triasulfuron

#### Fish:

LC<sub>50</sub> (96 h)

Rainbow trout  
Carp



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|  |              |
|--|--------------|
| Catfish                                | > 100 mg/l   |
| Sheephead minnows                      |              |
| Bluegill sunfish                       |              |
| <b>Daphnia:</b>                        |              |
| EC <sub>50</sub> (96 h)                | > 100 mg/l   |
| <b>Algae:</b>                          |              |
| E <sub>r</sub> C <sub>50</sub> (72 h)  |              |
| <i>Pseudokirchneriella subcapitata</i> | 0.39 mg/l    |
| <i>Anabaena flos-aquae</i>             | 2.3 mg/l     |
| <b>Birds:</b>                          |              |
| Acute oral LD <sub>50</sub>            |              |
| Mallard ducks                          | > 2150 mg/kg |
| Bobwhite quail                         |              |
| Dietary LD <sub>50</sub>               |              |
| Mallard ducks                          | > 5000 mg/kg |
| Bobwhite quail                         | diet         |
| <b>Bees:</b>                           |              |
| LD <sub>50</sub> contact               | > 100 µg/bee |
| LD <sub>50</sub> oral                  |              |
| <b>Worms:</b>                          |              |
| LC <sub>50</sub> (14 d)                |              |
| Earthworm                              | > 1000 mg/kg |
| <b>Other aquatic spp.</b>              |              |
| EC <sub>50</sub> (48 h)                |              |
| Quahog clams                           | 56 mg/l      |

### ENVIRONMENTAL EFFECTS

#### Based on information for the active ingredient

**Plants:** In wheat, metabolism is by hydroxylation (*para* to the sulfonyl urea bridge), followed by conjugation of various hydroxy metabolites with glucose. DT<sub>50</sub> in forage c. 3 days. In straw and grain, no residues were detectable at harvest time.

**Persistence and degradability:** The degradation behaviour in soil is determined by the soil type, pH, and especially temperature and moisture content. Field studies with silty loam, clay loam and sandy loam showed a median DT<sub>50</sub> 19 d, depending on soil type.

**Bio-accumulative potential:** Not determined.

**Mobility in soil:** Not determined.

**Other adverse effects:** Not determined.

### 13. DISPOSAL CONSIDERATIONS

**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:** TRIPLE RINSE EMPTY PLASTIC BAG AS FOLLOWS: Turn the bag inside out Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces and dispose of via an approved collector or recycler

([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the bag to any other parties that may use it as container for foodstuffs.

### 14. TRANSPORT INFORMATION

**UN Number: 3077**

**Road Transport ADR / ORD:**

Class: 9

Packaging group: III

UN Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Triasulfluron 750 g/kg)

**Maritime Transport IMDG / IMO:**

Class: 9

Packaging group: III

UN Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Triasulfluron 750 g/kg)

**Marine pollutant (Y/N): YES**

**Air Transport IATA / ICAO:**

Class: 9

Packaging group: III

UN Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Triasulfluron 750 g/kg)

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

**Transport in bulk:** Refer to MARPOL 73/78, Annex II and the IBC code.

### 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 150 g, 1, 2, 5, 10, 15, 20, 25 and 50 kg plastic containers, water soluble sachets, sealed foil bags, woven bags and/or 3 ply paper bags and labelled according to South African regulations and guidelines.

**Other hazard statements, abbreviations and explanations:**

**H302:** Harmful if swallowed.

**H412:** Harmful to aquatic life with long lasting effects.

**IATA:** International Air Transport Association.

**IBC:** International Bulk Chemical.

**ICAO:** International Civil Aviation Organization.

**IMDG:** International Maritime Dangerous Goods

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**IMO:** International Maritime Organization.

**LD<sub>50</sub> value:** The median lethal dose or the amount of a toxic agent that is sufficient to kill 50 percent of a population within a certain period of time.

**OEL/RL:** Occupational exposure limit-recommended limit.

**TWA:** Time-weighted average – The average exposure over a specified period, usually a nominal eight hours.

**ST/STEL:** Short-term exposure limits.

**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.

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### END OF DOCUMENT

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For detailed information on revisions, contact the Registration holder.