

# TRISMIC 750 WDG

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** TRISMIC 750 WDG  
**Other identifier:** Tribenuron-methyl 750 WDG  
**Recommended use:** Herbicide  
**Restrictions on use:** Agriculture

**Supplier:** Universal Crop Protection (Pty) Ltd.  
 Co. Reg. No.: 1983/008184/07  
 65 Botes Road, Glen Marais,  
 Kempton Park, 1619,  
 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>		
Dermal	Skin Irritation 3 Skin Sens. 1	H316 H317
Eye	Eye Irritation 2	H319
Specific target organ toxicity – repeated exposure	STOT RE 2	H373
<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 mild skin irritation. (Skin Irritation 3). May cause an allergic skin reaction (Skin Sens. 1). Causes serious eye irritation (Eye Irritation 2)

May cause damage to organs (indication not necessary according to RAC) through prolonged or repeated exposure (oral). (STOT RE 2)

### Label elements:



**Signal word:** Warning

### Hazard statements:

H316: Causes mild skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H373: May cause damage to organs (indication not necessary according to RAC) through prolonged or repeated exposure (oral).  
 H400: Very toxic to aquatic life.  
 H410: Very toxic to aquatic life with long lasting effects.

### Precautionary statements:

P260: Do not breathe dust, mist, vapours, or spray.  
 P264+P265: Wash hands thoroughly after handling. Do not touch eyes.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P273: Avoid release to the environment.  
 P280: Wear chemical safety goggles and wear impervious rubber gloves.  
 P302+P352: IF ON SKIN: Wash with plenty of water and non-abrasive soap.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P319: Get medical help if you feel unwell.  
 P321: Specific treatment (see First Aid Section).  
 P333+P317: If skin irritation or rash occurs: Get medical help.  
 P337+P317: If eye irritation persists: 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: Unclassified

## TRISMIC 750 WDG

## SAFETY DATA SHEET

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Composition:

Chemical name	CAS	Conc . (m/m %)	Classification EC 1272/2008
Tribenuron-methyl	101200-48-0	75 %	Skin Sens. 1 Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Sodium dodecyl benzenesulfonate	25155-30-0	< 5 %	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)
Styrene phenol polyethenoxy ether	99734-09-5	< 5%	Aquatic Chronic 3 (H412)
Calcium dodecyl benzene sulfonate	26264-06-2	< 5%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 4 (H413)

### 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 breathing as needed. Seek medical attention if irritation occurs. Seek medical attention if you feel unwell after inhalation.

**Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and 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. Seek 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:** Causes mild skin irritation. May cause an allergic skin reaction.

Causes serious eye irritation.

**Anticipated delayed effects:** May cause damage to organs (indication not necessary according to RAC) through prolonged or repeated exposure (oral).

**Most important symptoms / effects:** None known.

**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:** None known.

**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 / vapours. 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

## TRISMIC 750 WDG

## SAFETY DATA SHEET

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 spilt 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 skin and eyes. Ensure adequate ventilation during handling and use. Wear chemical safety goggles and wear impervious rubber gloves. Do not inhale spray mist or vapours. 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 under lock and key and 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:** Plastic/foil containers/bags or water-soluble bags.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Permissible concentration

Components	Exposure limits	Type of exposure limit	Source
Diatomite	6 mg/m <sup>3</sup>	8-hour TWA	"Hazardous Chemical Substances Regulations, 1995" or "www.osha.gov"

#### 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:** Not available.

**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 (impervious) 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:** Employees must wear appropriate protective (impervious) clothing, (rubber) 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:** Light brown.

**Odour:** Not applicable.

**Odour threshold:** Not applicable.

**pH (1% aqueous dilution):** 6.0 – 9.0

## TRISMIC 750 WDG

## SAFETY DATA SHEET

**Melting point:** Not applicable.  
**Freezing Point:** Not applicable.  
**Boiling Point:** Not applicable.  
**Flash Point:** Not applicable.  
**Flammability:** Not flammable.  
**Upper / lower explosion limits:** Not applicable.  
**Vapour Pressure (mm Hg):** Not applicable.  
**Relative Vapour Density:** Not applicable.  
**Density / Relative density:** Not applicable.  
**Solubility:** Emulsifies in water.  
**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 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:** Extreme heat or exposure to flames.

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

**Hazardous decomposition products:** Alcohols, carbon monoxide and carbon dioxide may form under burning conditions or with incomplete combustion.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY:

Calculated according to GHS

**Oral LD<sub>50</sub>** (24h) 50 000 mg/kg (rat)

**Dermal LD<sub>50</sub>** Not calculated.

**Inhalation LC<sub>50</sub>** (4h) 26 mg/l (rat)

**Skin Irritation / Corrosion:** Cause mild skin irritation.

**Eye Damage / Irritation:** Causes serious eye irritation.

**Skin Sensitization:** May cause an allergic skin reaction.

**Respiratory Sensitization:** Not anticipated to be toxic by inhalation.

**Reproductive cell mutagenicity:** Does not cause reproductive cell mutagenicity.

**Carcinogenicity:** Does not cause carcinogenicity.

**Reproductive toxicity:** Does not cause reproductive toxicity.

**Specific target organ toxicity – single exposure:** Does not cause specific target organ toxicity – single exposure.

**Specific target organ toxicity – repeated exposure:** May cause damage to organs (indication not necessary according to RAC) through prolonged or repeated exposure (oral).

**Aspiration hazard:** Does not cause aspiration hazard.

**Chronic Effects:** May cause damage to organs (indication not necessary according to RAC) through prolonged or repeated exposure (oral).

#### POTENTIAL ADVERSE EFFECTS:

**Inhalation:** None known

**Ingestion:** None known

**Other information:** None known.

### 12. ECOLOGICAL INFORMATION

This product is expected to be very toxic to aquatic organisms with long lasting effects.

#### ECOTOXICITY DATA:

##### Active ingredient / inert name

#### Fish:

LC<sub>50</sub> (96 h) Rainbow trout 738 mg/l

#### Daphnia:

LC<sub>50</sub> (48 h) >894 mg/l

#### Algae:

ErC<sub>50</sub> (72 h) *Selenastrum capricornutum* 0.068 mg/l

#### Birds:

Acute oral LD<sub>50</sub> Bobwhite quail >2250 mg/kg

Dietary LD<sub>50</sub> (8d) Mallard ducks >5620 mg/kg diet

Bobwhite quail >5620 mg/kg diet

#### Bees:

LD<sub>50</sub> contact >98.4 µg/bee

LD<sub>50</sub> oral >9.1 µg/bee

#### Worms:

LC<sub>50</sub> Earthworms >1000 mg/kg

**Other aquatic spp.** *Lemna* 0.0031 mg/l.

EC<sub>50</sub> (14 d) for

#### ENVIRONMENTAL EFFECTS

**Based on information for the active ingredient(s)**

##### Plants:

**Persistence and degradability:** **Animals:** Tribenuron-methyl is rapidly and extensively metabolised in animals by *N*-demethylation, de-esterification, hydrolysis of the sulfonylurea bridge,



## TRISMIC 750 WDG

## SAFETY DATA SHEET

hydroxylation of the phenyl ring and/or O-demethylation of the triazine ring.

**Plants:** Tribenuron-methyl is rapidly and extensively metabolised in plants. A major metabolic reaction was N-demethylation; further metabolism is primarily through hydroxylation of the phenyl ring and conjugation with glucose.

**Bio-accumulative potential:** DT<sub>50</sub> of Tribenuron-methyl in field soils of intended use 3.5-5.1 d. No significant photodecomposition under field conditions. Hydrolysis is affected by soil pH, being faster in acidic than in alkaline soils. Losses due to volatilisation are not significant.

**Mobility in soil:** Degradation in the soil occurs primarily by aqueous hydrolysis and by direct microbial degradation.

**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:** Emptied containers retain product residues. Do not re-use the empty container for any other purpose. Empty containers by inverting the empty container over the spray or mixing tank.

**TRIPLE RINSE THE EMPTY CONTAINERS IN THE FOLLOWS:** Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner. Puncture the triple rinsed container 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 container to any other parties that may use it as a container for food or beverages. Observe all labelled safeguards until container is destroyed.

**OR**

**CLEAN THE 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.

**OR**

**CLEAN THE EMPTY FOIL-LINED PAPER BAG AS FOLLOWS:** Shake all the pesticide formulation out of the bag into the spray or mixing tank. 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 into the tank. Repeat the rinsing twice. Cut the bag into pieces and dispose of via normal refuse disposal. Do not bury or donate the bag to any other parties that may use it as a container for foodstuffs.

### 14. TRANSPORT INFORMATION

**UN Number:** 3077

**Road Transport ADR/IRD:**

Class: 9

Packaging group: III

UN Proper Shipping Name: e.g. Environmentally hazardous substance, Solid, N.O.S. (**Tribenuron-methyl** 750 mg/kg)

**Maritime Transport IMDG/IMO:**

Class: 9

Packaging group: III

UN Proper Shipping Name: e.g. Environmentally hazardous substance, Solid, N.O.S. (**Tribenuron-methyl** 750 mg/kg)

**Marine Pollutant (Y/N):** Yes.

**Air Transport IATA/ICAO:**

Class: 9

Packaging group: III

UN Proper Shipping Name: e.g. Environmentally hazardous substance, Solid, N.O.S. (**Tribenuron-methyl** 750 mg/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.

### 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.

## TRISMIC 750 WDG

## SAFETY DATA SHEET

Chemical Safety Assessment carried out? No

### 16. OTHER INFORMATION

**Packaging:** Packed in 15, 30 & 60 g water soluble bags × 10 in 1 sachet × 10 sachets per box, 15, 30, 45, 60, 120, 240, 480 g, 1, 1.5, 3, 4, 5, 6, 10, 15, 20, 25, 50 and 100 kg containers/bags; 150 g × 10 in a box, labelled according to South African regulations and guidelines.

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

**H302:** Harmful if swallowed.

**H315:** Causes skin irritation.

**H318:** Causes serious eye damage.

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

**H413:** May cause long lasting harmful effects to aquatic life.

**IATA:** International Air Transport Association.

**IBC:** International Bulk Chemical.

**ICAO:** International Civil Aviation Organization.

**IMDG:** International Maritime Dangerous Goods

**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.

### END OF DOCUMENT

**Compiled:** December 2019  
**Reviewed:** November 2023  
**Revision no.:** 1  
**Next revision:** November 2028

For detailed information on revisions, contact the Registration holder.