

**FARM-AG INTERNATIONAL (Pty) Ltd**

P.O. Box 1523, Durban 4000

**Head Office : 61 Marshall Dr., Old Mill Industrial Park, Mount Edgecombe South Africa**

Registration Number: 2005/011761/07

Tel + 27 31 003 3486 • Fax + 27 31 502 5825

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Substance:** Glyphosate  
**Product Name:** CLEAR OUT 500 WG  
**Product Use:** Herbicide  
**Effective Date:** May 2009  
**Revision Date:** January 2022

**Company Name:** FarmAg International (Pty) Ltd.  
 Mount Edgecombe,  
 4300, South Africa.

**Address:** P. O. Box 1523 Durban 4000  
 61 Marshall Drive,  
 Old Mill Industrial Park  
 Mount Edgecombe

**Phone No:** 031 003 3486

**24 Hr Emergency Number:**

**In case of Poisoning:**  
 Poison Information Helpline : 0861 555 777

**In case of Spillage:**  
 HAZMAT: 0800 147 112

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Common Name:** Glyphosate  
**Chemical Name:** N-(phosphonomethyl)glycine (IUPAC)  
**CAS No.:** 40465-66-5  
**Chemical Family:** Glycine  
**Chemical Formula:** C<sub>3</sub>H<sub>11</sub>N<sub>2</sub>O<sub>5</sub>P

**Formulation:** Glyphosate 500 g/kg WG  
 Water dispersible granules

**Use:** A post-emergence, non-selective systemic herbicide for the control of annual and perennial weeds in municipal, agricultural and industrial areas and garden use.

**Hazardous ingredients of toxicological concern:**

<u>Inert:</u>	<u>concern:</u>	<u>% present:</u>
Glyphosate	irritant	± 42 %

**SYMBOLS:** Xi

**Indication of danger:** Irritating substance

**RISK-PHRASE(S):** R36, R41, R52

**3. HAZARD IDENTIFICATION****Health and Environmental**

**Hazard to man:** Irritating, Risk of serious damage to eyes.

**Hazard to environment:** Harmful to aquatic organisms

**Toxicity class:** WHO III

**4. FIRST AID MEASURES AND PRECAUTIONS**

**General Advice:** Remove from source of exposure. Remove all contaminated clothing and was affected area.

**Inhalation:** Remove the individual from exposure to this product and keep well ventilated with fresh air. Keep at rest. If necessary and if breathing stops, give artificial respiration. See medical attention.

**Skin Contact:** Remove contaminated clothing immediately. Wash affected area thoroughly with soap and water. Rinse with water. Seek medical attention.

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**Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes and then seek medical attention.

**Ingestion:** If swallowed, seek medical attention immediately.

**Treatment:** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media:

Fight fire with CO<sub>2</sub>, dry chemical powder, foam or water spray (in preference to water jet).

### Specific hazards:

Combustion may generate toxic fumes containing HF, HCl<sup>3</sup>, HCN and NO<sub>2</sub>

### Protective Equipment:

Wear self-contained breathing apparatus (SCBA).

### Specific Methods:

Remove undamaged containers from source of combustion.

## 6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

### Personal Protective Equipment

Wear protective coveralls, neoprene gloves, rubber boots and face-shield or goggles, covering as much of the body as possible (See Section 8).

### Environmental Protection

Inform local water authorities immediately if spillage enters drains and the Department of Water Affairs, if it enters surface or ground waters.

### Clean up Methods

Contain Spillage. Sweep up carefully and shovel sweepings into marked bags or drums. Dispose of through a reputable local waste disposal contractor.

## 7. HANDLING AND STORAGE REQUIREMENTS

### Handling

Use Personal Protective Clothing as specified in Section 8.

Avoid fumes – work in a well ventilated area

### Storage

Keep in original container, tightly closed, in a safe place out of reach of children, animals and uninformed persons.

### Other

When using, do not eat, drink or smoke.

Wash splashes from skin or eyes immediately.

Avoid all contact by mouth and with skin and eyes.

Wash hands and exposed skin before eating, drinking or smoking and after work.

Keep away from food, drink and animal feedingstuffs.

Keep out of reach of children.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Comply with occupational safety, environmental, fire and other applicable regulations.

### PERSONAL PROTECTIVE EQUIPMENT:

#### Engineering measures

If possible use a cab fitted with a forced air filtration unit and pesticide filter when spraying.

#### Personal Protective Equipment

Wear suitable protective gloves\* and face protection (faceshield) when handling the concentrate. (\*neoprene or nitrile at least 0.5mm thick).

Wash all protective clothing thoroughly after use, especially the insides of gloves.

Where PPE cannot be cleaned, dispose of as contaminated waste.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Solid (granule)

**Colour:** white

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**Odour:** Negligible**Density** 0.75**pH (1% in water):** 4.4-4.9**Solubility:** Soluble in water**10. STABILITY AND REACTIVITY****Storage stability:**

Stable for up to 2 years under normal warehouse and field conditions in original packaging. Protect the product from sunlight, open flame and sources of heat.

**Stability:**

Stable under normal use and storage conditions. Avoid extreme heat and contact with incompatible materials.

**Hazardous Polymerization:** Will not occur.**Materials to avoid:** Oxidizing agents, acids and alkali**Hazardous reactions:** None**Hazardous Decomposition:** Phosphorous oxides and nitrogen oxides.**11. TOXICOLOGICAL INFORMATION****Acute oral LD50 (rat)** >5,000mg/kg (formulation)**Acute dermal LD50 (rabbit):** > 5,000mg/kg (formulation)**Acute inhalation LC50 (4<sup>th</sup>, rat):** > 3.66mg/l (active ingredient)**Irritation to Skin:** Not irritating**Eye Irritation:** Irritating to eye**Sensitization:** Not known to be a sensitizer**12. ECOLOGICAL INFORMATION****Mobility:** strongly absorbed to soil and practically immobile.**Ecotoxicity (active ingredient):**Rainbow Trout LC<sub>50</sub> 86mg/l (96hr)*Daphnia magna* LC<sub>50</sub> > 780mg/l (48hr)Bees LD<sub>50</sub> >0.1mg/bee

Bobwhite Quail 3850 mg/kg

**13. DISPOSAL CONSIDERATION**

Contact Local Authority (Environmental Health Department) or a reputable waste disposal company for collection and disposal of unwanted product or containers.

For further guidance on the disposal of containers, surplus spray solution, tank washings and concentrate, refer to the South African National Standard, SANS 10206:2005 "The handling, storage and disposal of pesticides" and CropLife "Safe Use of Pesticides".

**14. TRANSPORT INFORMATION****UN Number:** 3077**Road Transport ADR/IRD:**

Class: 9

Packing group: III

Shipping name: Environmentally hazardous substance, solid, N.O.S. (herbicide - glyphosate)

**Maritime Transport IMDG/IMO:**

Class: 9

Packing group: III

Shipping name: Environmentally hazardous substance, solid, N.O.S. (herbicide - glyphosate)

**Considered a Marine Pollutant.**

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**15. REGULATORY INFORMATION****Hazard Symbol** Xi, Irritant**R Phrases**R36 Irritating to eyes  
R41 Risk of serious damage to eyes  
R52 Harmful to aquatic organisms**S Phrases**S13 Keep away from food , drink and animal feedstuffs  
S26 In case of contact with eyes, rinse immediately with plenty of water  
and seek medical advice.  
S35 This material and its container must be disposed of in a safe protection.  
S36/S37/39 Wear suitable protective clothing, gloves and eye protection**16. OTHER INFORMATION****Packing and Labelling:**

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

**Packaging:** 1 – 10kg laminated bag**Occupational Exposure Limits:** These are no OELs for this product**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 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.