

Country: RSA, NAM, BOT, ZAM, MOZ  
 Language: English  
 Version: 1

SDS Number: 000061  
 Issue Date: 2026-01-01  
 Print Date: 2026-02-10

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

|                     |                                                                              |
|---------------------|------------------------------------------------------------------------------|
| Product form        | Mixtures                                                                     |
| Trade name          | Roundup® RTU                                                                 |
| Product code        | 1ℓ 33522 (6001379107325); 3ℓ 33523 (6001379107318); 5ℓ 33524 (6001379107301) |
| Registration Number | L5753 / N-AR1821                                                             |
| SDS Number          | 000061                                                                       |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

|                                  |                           |
|----------------------------------|---------------------------|
| Main use category                | Weed and Grass Killer.    |
| Industrial/Professional use spec | Home and Garden.          |
| Use of the substance/mixture     | Non-selective weedkiller. |

#### 1.2.2. Uses advised against

|  |                                     |
|--|-------------------------------------|
|  | See product label for restrictions. |
|--|-------------------------------------|

### 1.3. Details of the supplier of the safety data sheet

|             |                                                                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier    | Evergreen Garden Care South Africa (Pty) Ltd<br>Unit G505, Century Gate office Park, CNR Bosmansdam and Century Way,<br>Century City, Cape Town. 086 685 3129 |
| Distributor | Agro-Serve (Pty) Ltd<br>15 Diesel Road, Isando, 1600, South Africa<br>PO Box 1189, Isando, 1600, South Africa                                                 |
| Telephone   | +27 861 333 586 08h00 – 17h00 Monday to Friday                                                                                                                |
| Email       | info@efekto.co.za                                                                                                                                             |
| Website     | www.efekto.co.za                                                                                                                                              |

### 1.4. Emergency telephone number

| Country               | Organisation/Company         | Address | Emergency number | Comment               |
|-----------------------|------------------------------|---------|------------------|-----------------------|
| <b>Poisons Centre</b> |                              |         |                  |                       |
| South Africa          | Griffon Poisons Centre       |         | 082 446 8946     | Dr Gerhard H Verdoorn |
| South Africa          | Poisons Information Helpline |         | 0861 555 777     |                       |
| <b>Spillage</b>       |                              |         |                  |                       |
| South Africa          | Spill Tech                   |         | 086 100 0366     |                       |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures

|  |                                       |
|--|---------------------------------------|
|  | Not a hazardous substance or mixture. |
|--|---------------------------------------|

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

|  |                                       |
|--|---------------------------------------|
|  | Not a hazardous substance or mixture. |
|--|---------------------------------------|

#### Hazard pictograms:

|                                                         |                                     |
|---------------------------------------------------------|-------------------------------------|
| Hazardous components which must be listed on the label: | • Isopropylamine salt of glyphosate |
|---------------------------------------------------------|-------------------------------------|

#### CLP Signal word:

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Hazard statements: | No need for classification according to GHS criteria for this product. |
|--------------------|------------------------------------------------------------------------|

#### Precautionary statements:

|                        |                                                                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Statements:    | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P103: Read carefully and follow all instructions.                    |
| Prevention Statements: | P234: Keep only in original container.                                                                                                                                                      |
| Response Statements:   | P391: Collect spillage.                                                                                                                                                                     |
| Storage Statements:    | P410: Protect from sunlight.                                                                                                                                                                |
| Disposal Statement:    | P501: Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. |

### 2.3. Other hazards

|  |             |
|--|-------------|
|  | None known. |
|--|-------------|

Refer to section 11 for toxicological and section 12 for environmental information

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

|  |                               |
|--|-------------------------------|
|  | Emulsifiable Concentrate (EC) |
|  | Biocidal product              |

### 3.2. Mixtures

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Country: RSA, NAM, BOT, ZAM, MOZ  
 Language: English  
 Version: 1

SDS Number: 000061  
 Issue Date: 2026-01-01  
 Print Date: 2026-02-10

| Chemical Name                                                                                                     | CAS-No.    | EC – Number | Conc. % by weight | Classification                                                        | Warning Symbols                                                                     |
|-------------------------------------------------------------------------------------------------------------------|------------|-------------|-------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Isopropylamine salt of glyphosate<br>(Hazard classification of this material is based on the worst possible case) | 38641-94-0 | 933-426-9   | 1.0 %             | Aquatic Chronic 2: H411.                                              |  |
| Pelarginic Acid<br>(Hazard classification of this material is based on the worst possible case)                   | 112-05-0   | 203-931-2   | 1.0 %             | Skin Irrit. 2: H315<br>Eye Irrit. 2: H319.<br>Aquatic Chronic 3: H412 |  |
| Other ingredients (non-hazardous) to 100%                                                                         |            | Balance     |                   | 100 %                                                                 |                                                                                     |
| Further information                                                                                               |            |             |                   |                                                                       |                                                                                     |
| Isopropylamine salt of glyphosate                                                                                 | 38641-94-0 | M-Factor:   |                   |                                                                       |                                                                                     |
| For the full text of the Hazard statements mentioned in this Section, see Section 16.                             |            |             |                   |                                                                       |                                                                                     |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Advice                        | When possible, have the product container or label with you when calling a poison control centre or doctor or going for treatment.                                                                                                                                                                                                             |
| First-aid measures after inhalation   | Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control centre or doctor for treatment advice. If breathing is difficult, oxygen should be administered by qualified personnel. |
| First-aid measures after skin contact | Take off contaminated clothing. Wash skin with soap and plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. Wash clothing before reuse. Shoes and other leather items which cannot be decontaminated should be disposed of properly.                                                               |
| First-aid measures after eye contact  | Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control centre or doctor for treatment advice. Suitable emergency eye wash facility should be available in work area.                                         |
| First-aid measures after ingestion    | Immediately call a poison control centre or doctor. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.                                                                                                            |

### 4.2. Most important symptoms and effects, both acute and delayed

|  |                                                                      |
|--|----------------------------------------------------------------------|
|  | Headache, nausea, vomiting, anxiety, muscular weakness and diarrhea. |
|--|----------------------------------------------------------------------|

### 4.3. Indication of any immediate medical attention and special treatment needed

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Maintain adequate ventilation and oxygenation of the patient. If lavage is performed, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. The decision of whether to induce vomiting or not should be made by a physician. Probable mucosal damage may contraindicate the use of gastric lavage. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control centre or doctor or going for treatment. Skin contact may aggravate pre-existing dermatitis. |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| 5.1.1. Suitable   | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| 5.1.2. Unsuitable | Water jet.                                                               |

### 5.2. Special hazards arising from the substance or mixture

|  |                                                                                                                                                                                                                                     |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide. |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 5.3. Advice for firefighters

|  |                                                                                                                                                                                                         |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Special protective equipment for fire-fighters</b>                                                                                                                                                   |
|  | Wear full protective clothing and self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses. Cool closed containers exposed to fire with water spray. |

### 5.3. Further information

|  |                                                                                                                                                                                                                                                                                                                                    |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 5.4. Flash point

|  |                 |
|--|-----------------|
|  | Does not flash. |
|--|-----------------|

Country: RSA, NAM, BOT, ZAM, MOZ  
 Language: English  
 Version: 1

SDS Number: 000061  
 Issue Date: 2026-01-01  
 Print Date: 2026-02-10

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

|                      |                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency procedures | Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Ventilate spillage area. Avoid contact with skin and eyes. |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.2. For emergency responders

|                      |                                                                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

### 6.2. Environmental precautions

|  |                                                            |
|--|------------------------------------------------------------|
|  | Do not allow to enter soil, waterways or wastewater canal. |
|--|------------------------------------------------------------|

### 6.3. Methods and material for containment and cleaning up

|                 |                   |
|-----------------|-------------------|
| For containment | Collect spillage. |
|-----------------|-------------------|

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods for cleaning up | For small amounts: Contain with dust binding material and dispose of.<br>For large amounts: Sweep/shovel up.<br>Avoid raising dust. Collect waste in suitable containers, which can be labelled and sealed.<br>Dispose of absorbed material in accordance with regulations. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Wear suitable protective equipment. |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Other information | Dispose of materials or solid residues at an authorized site. |
|-------------------|---------------------------------------------------------------|

### 6.4. Reference to other sections

|  |                                                                                                                                                                               |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13. |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |                                                                                                                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hygiene measures | Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing. |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 7.2. Conditions for safe storage, including any incompatibilities

|                    |                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Store in original container. Keep away from direct sunlight. Protect from freezing. |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                   |                             |
|-------------------|-----------------------------|
| Storage stability | Storage duration: 60 Months |
|-------------------|-----------------------------|

|                     |            |
|---------------------|------------|
| Storage temperature | >0°C <40°C |
|---------------------|------------|

### 7.3. Specific end use(s)

|  |                                    |
|--|------------------------------------|
|  | Refer to the label and/or leaflet. |
|--|------------------------------------|

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Components | CAS-No. | Exposure limit(s) | Type of exposure limit | Source |
|------------|---------|-------------------|------------------------|--------|
|------------|---------|-------------------|------------------------|--------|

|                                   |                                                               |  |  |  |
|-----------------------------------|---------------------------------------------------------------|--|--|--|
| Isopropylamine salt of glyphosate | No specific occupational exposure limit has been established. |  |  |  |
|-----------------------------------|---------------------------------------------------------------|--|--|--|

**RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.**

### 8.2. Exposure controls

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.2.1. Appropriate engineering controls | In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.<br>Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations. |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                          |                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.2.2.1. Hand protection | Chemical resistant gloves should be used. Gloves should be certified to an appropriate standard. Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure. The breakthrough time of gloves varies according to the thickness, material and manufacturer. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| 8.2.2.2. Eye protection | Safety glasses with side-shields (frame goggles) (e.g. EN 166). |
|-------------------------|-----------------------------------------------------------------|

|                                   |                                                                                                                                                                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.2.2.3. Skin and body protection | Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation / penetration characteristics of the clothing material. Wash with soap and water after removing protective clothing. Decontaminate clothing before reuse, or use |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Country: RSA, NAM, BOT, ZAM, MOZ  
 Language: English  
 Version: 1

SDS Number: 000061  
 Issue Date: 2026-01-01  
 Print Date: 2026-02-10

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                   |                                                      |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------|
|                                                                                   | disposable equipment (suits, aprons, sleeves, boots, etc.) Wear as appropriate: impervious protective suit.                                                                                                                                                                                                                                                                                  |                                                                                   |                                                      |
| 8.2.2.4. Respiratory protection                                                   | A combination gas, vapor and particulate respirator may be necessary until effective technical measures are installed. Protection provided by air-purifying respirators is limited. Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection. |                                                                                   |                                                      |
|                                                                                   |                                                                                                                                                                                                                                                                                                            |                                                                                   |                                                      |
| 8.2.2.5. General protective measures                                              | Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.                                                                                                                                                                                 |                                                                                   |                                                      |
| 8.2.3. Environmental exposure controls                                            | Avoid release to the environment. For information regarding environmental exposure controls, see Section 6.                                                                                                                                                                                                                                                                                  |                                                                                   |                                                      |
| <b>8.3. Additional emergency measures</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                   |                                                      |
| <b>Emergency measure</b>                                                          | <b>Emergency measure</b>                                                                                                                                                                                                                                                                                                                                                                     | <b>Emergency measure</b>                                                          | <b>Emergency measure</b>                             |
|  | Emergency shower<br>ISO 3864-1:2011, ISO 3864-4:2011                                                                                                                                                                                                                                                                                                                                         |  | Eyewash stations<br>ISO 3864-1:2011, ISO 3864-4:2011 |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                             |                                             |
|-------------------------------------------------------------|---------------------------------------------|
| 1. Physical state                                           | Liquid                                      |
| 2. Colour                                                   | Brown                                       |
| 3. Odour                                                    | Amino odour                                 |
| 4. Odour threshold                                          | No data available                           |
| 5. Melting point / Freezing point                           | No data available                           |
| 6. Boiling point or initial boiling point and boiling range | No data available                           |
| 7. Flammability                                             | Non-flammable                               |
| 8. Lower and upper explosion limit                          | Not applicable                              |
| 9. Flash point                                              | Does not flash                              |
| 10. Auto ignition temperature                               | > 600 °C Method: EEC A.15                   |
| 11. Decomposition temperature                               | No data available                           |
| 12. pH                                                      | 7,2 @ 20 °C @ 10 g/l                        |
| 13. Kinematic viscosity                                     | 1.900 cSt @ 20 °C                           |
| 14. Solubility water                                        | Completely miscible                         |
| 15. Partition coefficient octanol / water (log value)       | log Pow: < -3.2 @ 25 °C (glyphosate)        |
| 16. Vapour pressure                                         | No significant volatility; aqueous solution |
| 17. Density Solubility                                      | Not applicable                              |
| 18. Relative density                                        | 1.018 (20 °C)                               |
| 19. Particle characteristics                                | Not applicable                              |
| <b>9.2. Other information</b>                               | No additional information available.        |

## SECTION 10: Stability and reactivity

|                                                 |                                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>10.1. Reactivity</b>                         | Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.     |
| <b>10.2. Chemical stability</b>                 | Stable under recommended storage conditions.                                                                           |
| <b>10.3. Possibility of hazardous reactions</b> | No hazardous reactions when stored and handled according to prescribed instructions.                                   |
| <b>10.4. Conditions to avoid</b>                | Extremes of temperature and direct sunlight. Incompatible materials for storage: galvanised steel, unlined mild steel. |
| <b>10.5. Incompatible materials</b>             | Store only in the original container.                                                                                  |
| <b>10.6. Hazardous decomposition products</b>   | Under normal conditions of storage and use, hazardous decomposition products should not be produced.                   |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                            |                                            |
|----------------------------|--------------------------------------------|
| Acute toxicity             | : Not classified                           |
| <b>Formulated Product</b>  |                                            |
| LD50 oral rat              | LD50 male rat, > -5 000 mg/kg              |
| LD50 dermal rat            | LD50 male and female rabbit, > 5 000 mg/kg |
| LC50 inhalation rat (mg/l) | LC50 rat, > 3,6 mg/L                       |
| Skin irritation            | Rabbit, 6 animals, OECD 404 test:          |

Country: RSA, NAM, BOT, ZAM, MOZ  
 Language: English  
 Version: 1

SDS Number: 000061  
 Issue Date: 2026-01-01  
 Print Date: 2026-02-10

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | Redness, mean EU score: 0,00<br>Swelling, mean EU score: 0,00<br>Days to heal: 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Eye irritation                      | Rabbit, 6 animals, OECD 405 test:<br>Conjunctival redness, mean EU score: 0,50<br>Conjunctival swelling, mean EU score: 0,06<br>Corneal opacity, mean EU score: 0,00<br>Iris lesions, mean EU score: 0,00<br>Days to heal: 3                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sensitisation                       | Guinea pig, 9-induction Buehler test:<br>Negative.<br>No skin sensitization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| STOT-single exposure                | Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| STOT-repeated exposure              | Rabbit, dermal, 21 days:<br>NOAEL toxicity: > 5 000 mg/kg body weight/day<br>Target organs/systems: none<br>Other effects: none<br>Rat, oral, 3 months:<br>NOAEL toxicity: > 20 000 mg/kg diet<br>Target organs/systems: none<br>Other effects: none                                                                                                                                                                                                                                                                                                                                                                                         |
| Aspiration hazard                   | Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Assessment mutagenicity             | Not mutagenic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Assessment carcinogenicity          | Rat, oral, 24 months:<br>NOAEL toxicity: ~ 8.000 mg/kg diet<br>Target organs/systems: eyes<br>Other effects: decrease of body weight gain, histopathologic effects<br>NOEL tumour: > 20.000 ppm<br>Tumours: none                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Assessment toxicity to reproduction | Rat, oral, 2 generations:<br>NOAEL toxicity: 10.000 ppm<br>NOAEL reproduction: > 30.000 mg/kg diet<br>Target organs/systems in parents: none<br>Other effects in parents: decrease of body weight gain<br>Target organs/systems in pups: none<br>Other effects in pups: decrease of body weight gain<br>Effects on offspring only observed with maternal toxicity.                                                                                                                                                                                                                                                                           |
| Assessment developmental toxicity   | Rat, oral, 6 - 19 days of gestation:<br>NOAEL toxicity: 1.000 mg/kg body weight<br>NOAEL development: 1.000 mg/kg body weight<br>Other effects in mother animal: decrease of body weight gain, decrease of survival<br>Developmental effects: weight loss, post-implantation loss, delayed ossification<br>Effects on offspring only observed with maternal toxicity.<br>Rabbit, oral, 6 - 27 days of gestation:<br>NOAEL toxicity: 175 mg/kg body weight<br>NOAEL development: 175 mg/kg body weight<br>Target organs/systems in mother animal: none<br>Other effects in mother animal: decrease of survival<br>Developmental effects: none |
| Further information                 | No additional information available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecology - general:** Very toxic to aquatic life with long lasting effects.

#### Isopropylamine Salt of Glyphosate

|                                        |                                                                                                |
|----------------------------------------|------------------------------------------------------------------------------------------------|
| LC50 fish 1                            | Oncorhynchus mykiss (Rainbow trout)) > 100 mg/l static test; Exposure time: 96 h               |
| EC50 Daphnia 1                         | Daphnia magna (Water flea)) > 100 mg/l static test; Exposure time: 48 h                        |
| ErC50 (algae) 1                        | Selenastrum capricornutum (green algae)): >87.7 mg/l Exposure time: 72 h                       |
| Bees LD50 (oral)                       | > 9 742 µg / bee                                                                               |
| Bees LC50 (contact)                    | > 8 309 µg / bee                                                                               |
| Earthworm LC50                         | Eisenia fetida (earthworms)): > 1 000 mg/kg dry soil                                           |
| Birds Oral LD50                        | Colinus virginianus (Bobwhite quail)): > 4 640 mg/kg Exposure time: 5 d                        |
| Birds LC50 (5-day diet)                | Anas platyrhynchos (Mallard duck)): > 4 640 mg/kg                                              |
| Soil organism toxicity, microorganisms | 27 g/ha, 28 days: Less than 25% effect on nitrogen or carbon transformation processes in soil. |

### 12.2. Persistence and degradability

Persistence and degradability  
 Soil, field:  
 Half life: 2 - 174 days  
 Koc: 884 - 60.000 L/kg

Country: RSA, NAM, BOT, ZAM, MOZ  
 Language: English  
 Version: 1

SDS Number: 000061  
 Issue Date: 2026-01-01  
 Print Date: 2026-02-10

|                                                 |                                                                                                                                                                                                                                        |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                 | Adsorbs strongly to soil.<br>Water, aerobic:<br>Half life: < 7 days                                                                                                                                                                    |
| <b>12.3. Bioaccumulative potential</b>          |                                                                                                                                                                                                                                        |
| Log Pow                                         | Bioconcentration potential is low (BCF 95).                                                                                                                                                                                            |
| Bioaccumulative potential                       | Bioconcentration factor (BCF) < 1                                                                                                                                                                                                      |
| <b>12.4. Mobility in soil</b>                   |                                                                                                                                                                                                                                        |
| Ecology - soil                                  | Variable, depends on temperature, soil type, soil moisture, soil pH and organic matter content.<br>Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected. |
| <b>12.5. Results of PBT and vPvB assessment</b> |                                                                                                                                                                                                                                        |
|                                                 | This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB)                                                             |
| <b>12.6. Endocrine disrupting properties:</b>   |                                                                                                                                                                                                                                        |
|                                                 | No additional information available.                                                                                                                                                                                                   |
| <b>12.7. Other adverse effects:</b>             |                                                                                                                                                                                                                                        |
|                                                 | Data are not available.                                                                                                                                                                                                                |

### SECTION 13: Disposal considerations

|                                      |                                                                                                                                                                                    |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>13.1. Waste treatment methods</b> |                                                                                                                                                                                    |
| Waste treatment methods              | Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                        |
| Additional information               | Follow container label instructions for disposal of wastes generated during use in compliance with the product label. Never place unused product down any indoor or outdoor drain. |
| Contaminated packaging               | Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.                                                                     |

### SECTION 14: Transport information

| In accordance with ADR / IMDG / IATA / AND / RID |                             |                             |                             |                             |
|--------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| ADR                                              | IMDG                        | IATA                        | ADN                         | RID                         |
| <b>14.1. UN number</b>                           |                             |                             |                             |                             |
| Not regulated.                                   | Not regulated.              | Not regulated.              | Not regulated.              | Not regulated.              |
| <b>14.2. UN proper shipping name</b>             |                             |                             |                             |                             |
| Not classified as dangerous                      | Not classified as dangerous | Not classified as dangerous | Not classified as dangerous | Not classified as dangerous |
| <b>Transport document description</b>            |                             |                             |                             |                             |
| <b>14.3. Transport hazard class(es)</b>          |                             |                             |                             |                             |
| -                                                | -                           | -                           | -                           | -                           |
| <b>14.4. Packing group</b>                       |                             |                             |                             |                             |
| -                                                | -                           | -                           | -                           | -                           |
| <b>14.5. Environmental hazards</b>               |                             |                             |                             |                             |
| No.                                              | No.                         | No.                         | No.                         | No.                         |

### SECTION 15: Regulatory information

|                                                                                                                                                                                                                                                                                                                                                          |                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>                                                                                                                                                                                                                                              |                                                     |
| Registration No.                                                                                                                                                                                                                                                                                                                                         | L5753 / N-AR1821                                    |
| This chemical is a registered pesticide product and is subject to certain labelling requirements under 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 required on the pesticide label. |                                                     |
| WHO-classification:                                                                                                                                                                                                                                                                                                                                      | III (Slightly hazardous)                            |
| Classification according to GHS:                                                                                                                                                                                                                                                                                                                         | Cat. 5: Unclassified                                |
| HRAC Herbicide Group Code:                                                                                                                                                                                                                                                                                                                               | 9                                                   |
| <b>15.2. Chemical safety assessment</b>                                                                                                                                                                                                                                                                                                                  | No chemical safety assessment has been carried out. |

### SECTION 16: Other information

|                                                                                                                           |                                                   |                     |          |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------|----------|
| Indication of changes:                                                                                                    |                                                   |                     |          |
| Section                                                                                                                   | Changed item                                      | Change              | Comments |
| Full text of H- and EUH-statements:                                                                                       |                                                   |                     |          |
| H315                                                                                                                      | Causes skin irritation.                           |                     |          |
| H319                                                                                                                      | Causes serious eye irritation.                    |                     |          |
| H412                                                                                                                      | Harmful to aquatic life with long lasting effects |                     |          |
| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |                                                   |                     |          |
|                                                                                                                           |                                                   |                     |          |
| HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)                                |                                                   |                     |          |
| Health - 1                                                                                                                | Flammability - 0                                  | Physical Hazard - 0 | PPE -    |

Country: RSA, NAM, BOT, ZAM, MOZ  
 Language: English  
 Version: 1

SDS Number: 000061  
 Issue Date: 2026-01-01  
 Print Date: 2026-02-10

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

#### Abbreviations and acronyms

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**This safety data sheet provides health and safety information. This product is to be used in applications with best use practice. The product information in this data sheet is to the best of our knowledge correct as at the date of publication. Agro-Serve (Pty) Ltd does not accept responsibility for damage caused by incorrect use of this information.**

**Training and related advice:** This document contains important information to ensure the safe storage, handling of this product. It is the responsibility of your organisation to ensure that the information contained in this document is communicated to staff and that all necessary training has been given.

**This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions.**

Prepared BY: Nico Lionel van der Westhuis – Technical Support Specialist

SDS EU (REACH Annex II) Update 1 January 2026

**End of Safety Data Sheet**