



## SAFETY DATA SHEET

FREEZONE GLYPHOSATE 680 GRANULES TUFFWEED WEED KILLER

APVMA Approval No. 66105

### SECTION 1. IDENTIFICATION

Product name: FREEZONE GLYPHOSATE 680 GRANULES TUFFWEED WEED KILLER APVMA Approval No. 66105

Recommended Use: Weed Killer.

Restrictions on Use: None specified.

Supplier of SDS: Freezone Public Health Pty Ltd

Supplier Address: 18 Gilpin Street  
Shorncliffe QLD 4017

Supplier Phone: 07 3869 4436

Supplier Fax: 07 3869 4433

Supplier Email: [info@freezone.net.au](mailto:info@freezone.net.au)

Emergency Telephone Number: Craig Jephcott 0412 200 252  
Poisons Information Centre 13 11 26

### SECTION 2. HAZARD(S) IDENTIFICATION

#### Classification of the substance or mixture

Classified as hazardous according to criteria of Safe Work Australia. Not classified as a Dangerous Good according to the ADG Code.

#### GHS Pictograms



#### Signal Word

Danger

#### Label Elements and Precautionary Statements

Hazard Statements: Causes serious eye damage.  
Toxic to aquatic life with long lasting effects.

Precautionary Statements: **Prevention**  
Keep out of reach of children.

Avoid release to the environment.

Wear protective gloves, protective clothing and eye or face protection.

**Response**

Immediately call a POISON CENTER or doctor/physician.

Collect spillage.

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

**Disposal**

Dispose of contents and containers as specified on the registered label.

**SUSMP Classification**

S5

**SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS**

|  |                       |
|--|-----------------------|
| <b>Glyphosate (present as mono-ammonium salt)</b><br>contains 68%<br>CAS number: 1071-83-6 | <b>Classification</b> |
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|   |                       |
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| <b>Inert Ingredients</b> contains 32%<br>CAS number: secret | <b>Classification</b> |
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Full text for all hazard statements is contained in Section 16.

#### SECTION 4. FIRST AID MEASURES

##### First aid measures

|                     |  |
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| General information | You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.<br>ADVICE FOR DOCTORS: Treat symptomatically. |
| Inhalation          | Remove to fresh air until recovered.   |
| Ingestion           | If swallowed, do not induce vomiting, seek medical advice immediately. Make every effort to prevent vomit from entering the lungs by careful placement of the patient. Do not give anything by mouth to a semi-conscious or unconscious person. Rinse mouth thoroughly with water.   |
| Skin contact        | Remove contaminated clothing, wash skin with plenty of soap and water. Discard contaminated non-waterproof shoes and boots. If irritation persists, seek medical advice.   |
| Eye contact         | Flush eyes immediately with plenty of fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. However, if irritation persists, see a doctor.  |

##### Medical attention and special treatments

|                     |                        |
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| Notes to the doctor | Treat symptomatically. |
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#### SECTION 5. FIREFIGHTING MEASURES

##### Extinguishing media

Water, foam, carbon dioxide or dry chemical.

##### Specific hazards arising from the chemical

DO NOT mix, store or apply the product or spray solutions of the product in galvanized steel or unlined steel (except stainless steel) containers or spray tanks. The product or spray solutions of the product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture that can flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source. Spray solutions of the product should be mixed, stored and applied only in stainless steel, aluminium, fiberglass, plastic and plastic-lined steel containers.

##### Thermal Decomposition

Not a fire or explosion hazard

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                      |   |
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| Personal precautions | Wear suitable protective clothing, gloves and eye/face protection. <b>See section 8.</b>  |
| Clean up methods     | Recover the product by sweeping up or vacuuming without raising dust. Collect in sealed open top containers for disposal. Final clean up with degreasing agent or detergent is advised. |

#### SECTION 7. HANDLING AND STORAGE

|                          |   |
|--------------------------|---|
| Precautions for handling | When handling this product, do not eat, drink or smoke.<br>When mixing this product always wear a PVC or rubber apron, elbow length PVC |
|--------------------------|---|

gloves, face shield or goggles and overalls buttoned at the wrist and neck.  
 When spraying this product, wear a face shield or goggles  
 After each days use, wash gloves, face shield or goggles and overalls.  
 If product gets on skin, immediately wash area with soap and water.

Conditions for safe storage     Store in the closed, original container in a well-ventilated area as cool as possible out of direct sunlight. Keep from contact with fertilisers and seeds.

## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure limits

No exposure standards have been established for this product by Worksafe Australia, however, the TWA exposure standard for dusts not otherwise specified is 10 mg/m<sup>3</sup>.

### Engineering Control

No special ventilation required.

### Protective Equipment

Skin contact should be minimized during preparation of spray solution by wearing protective clothing including elbow-length PVC gloves and face shield. If product contacts skin, immediately wash area with soap and water. After each use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Wash gloves, face shield and contaminated clothing before reuse.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |   |
|--|---|
| Appearance                                   | Yellow granules.  |
| Colour                                       | Pale yellow.  |
| Odour  | Musty odour.  |
| Odour threshold                              | No information available.                                   |
| pH   | No information available.                                   |
| Melting point                                | No information available.                                   |
| Initial boiling point and range              | No information available.                                   |
| Flash point                                  | No information available.                                   |
| Evaporation rate                             | No information available.                                   |
| Evaporation factor                           | No information available.                                   |
| Flammability (solid, gas)                    | Non-Flammable.  |
| Upper/lower flammability or explosive limits | No information available.                                   |
| Other flammability                           | No information available.                                   |
| Vapour pressure                              | No information available.                                   |
| Vapour density                               | No information available.                                   |
| Relative density                             | No information available.                                   |
| Bulk density                                 | 0.6 g/kg  |
| Solubility(ies)                              | Soluble in water.   |
| Partition coefficient                        | No information available.                                   |
| Auto-ignition temperature                    | No information available.                                   |
| Decomposition Temperature                    | No information available.                                   |
| Viscosity                                    | No information available.                                   |
| Explosive properties                         | No information available.                                   |
| Explosive under the influence of a flame     | No information available.                                   |
| Oxidising properties                         | Does not meet the criteria for classification as oxidising. |

## SECTION 10. STABILITY AND REACTIVITY

|                          |  |
|--------------------------|--|
| Chemical stability       | Stable under normal conditions when used and stored in accordance with label.  |
| Hazardous Polymerization | Hazardous polymerisation is not possible.  |
| Materials to Avoid       | Corrosive to mild steel, galvanised steel and zinc. Non corrosive to stainless steel, polyethylene and plastics. Do not mix, store or apply the product or spray solutions of the product in galvanised steel or unlined steel (except stainless steel) containers or spray tanks. |

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) Rats LD50= 2814mg/kg for similar formulation.

### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Rabbits LD50>5000mg/kg for similar formulation.

Potential Health Effects No harmful effects are expected if the precautions on the label and this SDS are followed.

Inhalation May cause irritation to mucous membranes and respiratory tract. Avoid breathing in spray mists when applying the product as a spray.

Eye contact Will cause irritation and possible damage unless washed off immediately.

Ingestion The concentrate is of low toxicity if swallowed. Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury. Ingestion of this product may cause gastrointestinal discomfort, nausea, diarrhoea and vomiting.

Skin contact Will cause irritation.

### Chronic toxicity

Studies of glyphosate lasting up to 2 years, have been conducted with rats, dogs, mice and rabbits, and with few exceptions no effects were observed. For example, in a chronic feeding study with rats, no toxic effects were observed in rats given doses as high as 400 mg/kg/day. Also, no toxic effects were observed in a chronic feeding study with dogs fed up to 500 mg/kg/day, the highest dose tested.

The Australian Acceptable Daily Intake (ADI) for glyphosate is set at 0.3 mg/kg/day with corresponding NOEL is set at 30 mg/kg/day. Values taken from Australia ADI List, March 2016.

**SECTION 12. ECOLOGICAL INFORMATION**

|                                  |   |
|----------------------------------|---|
| Ecotoxicity                      | Harmful to fish and other aquatic organisms (mainly due to the surfactant).   |
| Acute Toxicity – Fish            | The following is data for a similar product.<br>LC50 (96 hr) for bluegill sunfish is 5.8 - 14 mg/l.<br>LC50 (96 hr) for rainbow trout is 8.2 - 26 mg/l.<br>LC50 (96 hr) for fathead minnow is 9.4 mg/l.<br>TL50 (96hr) carp is 19.7 ppm |
| Acute Toxicity – Other Organisms | The following data is for the active ingredient, glyphosate.<br>Birds: Not toxic to birds. LD50 for bobwhite quail is >3850 mg/kg<br>Bees: Not toxic to bees. LD50 >100 µg/bee.   |
| Persistence and degradability    | Adsorption studies indicate that glyphosate has very low mobility.<br>Average field half life of glyphosate is 47 days  |
| Bioaccumulative potential        | No data available.  |
| Mobility in soil                 | No data available.  |
| Environmental Protection         | Glyphosate is a non-selective contact herbicide. Spray drift can cause damage.  |
| Other precautions                | Do not spray in high winds. Do not contaminate dams, waterways or sewers with this product.   |

**SECTION 13. DISPOSAL CONSIDERATIONS**

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| General information | On site disposal of the concentrated product is not acceptable. The product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collection of unwanted chemicals (ChemCollect). |
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**SECTION 14. TRANSPORT INFORMATION**

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| General  | Not classified as dangerous for transport within Australia. |
| UN number  | Not applicable.   |
| UN proper shipping name  | Not applicable.   |
| Transport hazard class(es)   | No transport warning sign required.                         |
| Packing group  | Not applicable.   |
| Special precautions for user                                       | Not applicable.   |
| Transport in bulk according to Annex II of MARPOL and the IBC Code | Not applicable.   |

**SECTION 15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture**

|                       |  |
|-----------------------|--|
| SUSMP Classification  | S5   |
| Packaging & Labelling | CAUTION<br>KEEP OUT OF REACH OF CHILDREN<br>READ SAFETY DIRECTIONS BEFORE OPENING OR USING |

**SECTION 16. OTHER INFORMATION**

|                            |  |
|----------------------------|--|
| Revision date              | 30/11/21   |
| Revision                   | 4  |
| Supersedes date            | 25/12/16   |
| Complete hazard statements | H318: Causes serious eye damage.<br>H411: Toxic to aquatic life with long lasting effects. |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.