



SAFETY DATA SHEET

FREEZONE GLYPHOSATE 360 AQUATIC TUFFWEED LIQUID CONCENTRATE HERBICIDE APVMA Approval No. 63976

SECTION 1. IDENTIFICATION

Product name: FREEZONE GLYPHOSATE 360 AQUATIC TUFFWEED LIQUID CONCENTRATE
HERBICIDE APVMA Approval No. 63976

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

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



Warning

Label Elements and Precautionary Statements

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

Precautionary Statements:

P264: Wash contacted areas thoroughly after handling.

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P273: Avoid release to the environment.

P280: Wear protective gloves/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor/physician.

P321: Specific treatment (see FIRST AID on this label)

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P391: Collect spillage.

P501: Dispose of contents and containers as specified on the registered label.

SUSMP Classification

S5

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

<p>Glyphosate (present as Isopropylamine salt) contains 36% CAS number: 38641-94-0</p>	<p>Classification Skin corrosion / irritation (Category 2) Serious eye damage / eye irritation (Category 1)</p>
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<p>Inert Ingredients contains <15% CAS number: secret</p>	<p>Classification</p>
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<p>Water contains to 100%</p>	<p>Classification</p>
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Full text for all hazard statements is contained in Section 16.

SECTION 4. FIRST AID MEASURES**First aid measures**

Inhalation	Remove to fresh air, keep warm and at rest. Give artificial respiration or oxygen if breathing is shallow or stopped. Get medical attention immediately.
Ingestion	Rinse mouth with water. Give plenty of water to drink. Do NOT induce vomiting. Seek medical assistance.
Skin contact	Remove contaminated clothing and wash affected areas or skin with soap and water. Seek medical advice if irritation develops.
Eye contact	Hold the eyes and flush immediately with plenty of water. Seek medical advice if irritation develops.

Medical attention and special treatments

Notes to the doctor	Treat symptomatically.
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SECTION 5. FIREFIGHTING MEASURES**Extinguishing media**

Extinguish fire with foam, dry powder, carbon dioxide or water spray..

Specific hazards arising from the chemical

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. 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, fibreglass, plastic and plastic-lined steel containers.

Thermal Decomposition

Not a fire or explosion hazard.

Fire Fighting

Breathable air apparatus should be worn when fighting a fire in which this product is involved.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Spills and Disposal**

Ensure suitable personal protection (including respiratory protection) during removal of spillage. Contain spill and absorb with sand or other absorbent material. Do not allow to enter drains, sewers and watercourses. Collect in sealed open top container for disposal. Triple rinse containers, add rinsings to spray tanks and send containers for recycling or if not recycling, break, crush or puncture and bury empty containers in a local authority landfill or in accordance with local, state or federal regulation. Do not dispose of undiluted chemicals on site.

SECTION 7. HANDLING AND STORAGE

- Precautions for handling** When handling this product, do not eat, drink or smoke.
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 standards** None established for formulated product or its components
- Engineering Control** Well ventilated.
- Protective Equipment** Avoid contact with eyes and skin. Do not inhale spray mist. When preparing spray solution, wear PVC/rubber apron or cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and goggles or face-shield. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face and contaminated clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow liquid.
Colour	Clear yellow liquid.
Odour	Slight ammoniacal 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.
Specific density	1.17 + 0.01.
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	This product is unlikely to react or decompose under normal storage conditions.
Polymerization	Polymerisation is unlikely.
Incompatibilities	No particular incompatibilities.
Conditions to avoid	This product should be kept in a cool place, preferably below 300C.
Fire Decomposition	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas. Oxides of phosphorus and other phosphorus compounds. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death. Hydrogen cyanide poisoning signs and symptoms are weakness, dizziness, headache, nausea, vomiting, coma, convulsions, and death. Death results from respiratory arrest. Hydrogen cyanide gas acts very rapidly; symptoms and death can both occur quickly.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on toxicological effects**

Toxicological effects Not regarded as a health hazard under current legislation.

Acute toxicity - oral

Notes (oral LD₅₀) Rats LD50= 5600 mg/kg.

Acute toxicity - dermal

Notes (dermal LD₅₀) Rabbits LD50>5000mg/kg.

Other Information

The ADI for glyphosate for a human is 0.3 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 30 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. *ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from Australia ADI List, March 2021.

Health Effects

Acute

Inhalation	No adverse respiratory effects are anticipated.
Skin contact	Cause irritation.
Eye contact	Cause irritation and conjunctivitis.
Ingestion	May cause gastrointestinal discomfort, nausea, vomiting and diarrhoea. If ingested large quantities of the undiluted product may result in hypotension and pulmonary oedema.

Chronic
Not available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	Technical glyphosate acid is practically nontoxic to fish and may be slightly toxic to aquatic invertebrates.
Acute Toxicity – Fish	Not toxic to fish. LC50 (96 hr) for rainbow trout is >989 mg/l. LC50 (96 hr) for carp is >895 mg/l.
Acute Toxicity – Other Organisms	Birds: Not toxic to birds. LD50 for mallard ducks and bobwhite quail (diet) is >5620 mg/kg Bees: Not toxic to bees. LD50 >100 µg/bee.
Persistence and degradability	Adsorption studies indicate that glyphosate has very low mobility. Average field half life of glyphosate is 47 days
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.
Environ. Protection	Glyphosate is a non-selective contact herbicide. Spray drift can cause damage.

SECTION 13. DISPOSAL CONSIDERATIONS

General information	Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.
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SECTION 14. TRANSPORT INFORMATION

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 Not applicable.
of MARPOL and the IBC Code

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

SUSMP Classification S5

Packaging & Labelling CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SECTION 16. OTHER INFORMATION

Revision date 30/11/2021

Revision 4

Supersedes date 25/12/16

Complete hazard statements H315: Causes skin irritation.
H318: Causes serious eye damage.
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.