


Section 1: Identification: Product identifier and chemical identity

Product Identifier:	GLYSMART 600 HERBICIDE
Active Constituent:	600g/L Glyphosate (present as the potassium salt)
Other Means of Identification:	Grow Choice product code number: 600
Recommended Use:	A non-selective herbicide for the control of many annual and perennial weeds, as specified in the Directions for Use.
Details of manufacturer or importer:	Grow Choice Pty Ltd ABN 36 161 264 884
Address:	113 Fitzroy Street TAMWORTH NSW 2340 AUSTRALIA
Website:	www.growchoice.com.au
Phone Number & Email:	(02) 6766 3979 - admin@growchoice.com.au
Emergency Phone Number:	In Case Of Emergency Dial 000
Poisons Information Centre:	Phone: 13 11 26 and speak to a Poisons Information Specialist. Fax: +61 2 9845 3597 http://www.chw.edu.au/poisons/contact.htm

Section 2: Hazards identification

Classification of the substance and mixture:	<p>Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.</p> <p>Complies with the requirements of Special Provision AU01 and therefore exempted from being classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).</p> <p>Classified as Dangerous Goods according to International Maritime Dangerous Goods Code (IMDG) and International Air Transport Association (IATA).</p> <p>Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2</p>
Pictogram(s):	
Hazard statements:	H411 Toxic to aquatic life with long lasting effects.
Precautionary statement – Prevention	P273 Avoid release to the environment.
Precautionary statement – Response	P391 Collect spillage.
Precautionary statement – Disposal	P501 Dispose of contents/container to an approved waste disposal plant.
Other information:	Poisons Schedule S5.

Section 3: Composition and information on ingredients

Ingredients:

Chemical name	CAS No	Proportion
Glyphosate (present as the potassium, monomethylamine and monoammonium salts)	1071-83-6	600 g/L
Ingredients determined not to be hazardous	107-98-2	Balance

Section 4: First aid measures

In Case Of Emergency Dial 000 and/or Poisons Information Centre: Phone: 13 11 26 and speak to a Poisons Information Specialist. Take this SDS and or DFU/Label with you or when calling the Poisons Information Centre.

General advice:	For advice in an emergency, contact a Poisons Information Centre (13 11 26) or a doctor immediately.
Inhalation:	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.
Skin contact:	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye contact:	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.
Ingestion:	Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
First Aid Facilities:	Eyewash and normal washroom facilities.
Advice to Doctor:	Treat symptomatically.

Section 5: Fire fighting measures

Suitable Extinguishing Equipment:	Water, foam, carbon dioxide or dry chemical.
Specific hazards from combustion products:	If involved in a major fire, could evolve oxides of nitrogen or phosphorus.
Specific hazards from the chemical:	This product is non combustible. This product, or spray solutions of this product, react with galvanised steel or unlined steel (except stainless steel) containers and tanks, to produce hydrogen gas which may form a highly flammable or explosive gas mixture.
Hazchem Code:	•3Z
Decomposition Temperature:	Not available.
Advice for Firefighters Fire Fighting Procedures:	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

Section 6: Accidental release measures

Emergency Procedures:	Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible, contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.
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Section 7: Handling and storage (cont. page 3)

Precautions for safe handling:	Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities. Do NOT spray in high winds. Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers.
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Conditions for safe storage:	Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.
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Section 8: Exposure controls and personal protection

Occupational Exposure Limit Values:	No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.
Biological Monitoring:	No biological limits allocated.
Control Banding:	Not available.
Engineering controls:	Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.
Thermal Hazards:	No further relevant information available.
Individual protection measures:	
Eye and face protection:	Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.
Hand protection:	Wear gloves of impervious material such as elbow-length PVC gloves. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body protection:	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.
Respiratory protection:	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Requirements Concerning Special Training:	Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

Section 9: Physical and chemical properties (cont. page 4)

Information on basic physical and chemical properties:

Form:	Liquid	Appearance:	Dark green viscous liquid
Colour:	Dark green	Odour:	No odour
pH:	4.4 - 5.0(5%w/v)	Odour threshold:	Not available
Boiling point:	>105°C	Melting point:	Not available
Evaporation Rate:	Not available	Flash point:	None
Specific gravity:	1.323	Density:	Not available
Vapour Pressure:	Not available	Flammability:	Non combustible

Volatile component:	Not available	Partition coefficient n-octanol/water (log value):	Not available
Auto-ignition temperature:	Not available	Decomposition temperature:	Not available
Flammable Limits – Lower:	Not available	Flammable Limits - Upper:	Not available
Explosive Properties:	Not available	Relative vapour density (air=1):	Not available
Oxidising Properties:	Not available	Particle Characteristics:	Not available
Water solubility:	Soluble in water	Viscosity:	Not available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

Section 10: Stability and reactivity

Conditions to avoid:	Extremes of temperature and direct sunlight.
Incompatible Materials:	Corrosive to mild steel, galvanised steel and zinc. 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. Non corrosive to stainless steel, polyethylene and plastics.
Chemical stability:	Stable under normal conditions of storage and handling.
Possibility of hazardous reactions:	Reacts with incompatible materials.
Reactivity:	Reacts with incompatible materials.
Hazardous decomposition products:	If involved in a major fire, could evolve oxides of nitrogen or phosphorus.
Hazardous Polymerization:	Hazardous polymerization is not possible.

Section 11: Toxicological information (cont. page 5)

Toxicology Information:	Toxicity data for material given below.
Acute toxicity – oral:	LD50(rat): 5000 mg/kg
Acute toxicity - inhalation:	LC50 (rat): >5 mg/L/4h air.
Acute toxicity - dermal:	LD50 (rabbits): >2000 mg/kg
Ingestion:	Ingestion of this product may irritate the gastric tract causing nausea, vomiting and gastrointestinal discomfort and diarrhoea. Ingestion of a large quantity of the undiluted product may result in hypotension and pulmonary oedema.
Inhalation:	Inhalation of product vapours may cause irritation of the nose, throat, mucous membranes and respiratory system.
Skin:	May be irritating to skin. The symptoms may include redness, itching and swelling.
Eye:	May be irritating to eyes. The symptoms may include redness, itching and tearing.
Respiratory Sensitisation:	Not expected to be a respiratory sensitiser.
Skin Sensitisation:	Not expected to be a skin sensitiser.
Germ Cell Mutagenicity:	Not considered to be a mutagenic hazard.
Carcinogenicity:	Not considered to be a carcinogenic hazard. The Australian Pesticide and Veterinary Medicine Authority (APVMA) and other regulatory agencies classify glyphosate as non-carcinogenic based on the weight-of-evidence. In 2015 the International Agency for Research on

	<p>Cancer (IARC) listed glyphosate as probably carcinogenic to humans. This finding was considered by the APVMA in its 2016 review.</p> <p>Glyphosate is listed as a Group 2A: Probably carcinogenic to humans according to International Agency for Research on Cancer (IARC).</p>
Reproductive Toxicity:	Not considered to be toxic to reproduction.
Specific Target Organ Systemic Toxicity (Single Exposure):	Not expected to cause toxicity to a specific target organ.
Specific Target Organ Systemic Toxicity (Repeated Exposure):	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard:	Not expected to be an aspiration hazard.
Other Information:	<p>The Australian Acceptable Daily Intake (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 NOEL 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.</p> <p>Ref: Australian Pesticides and Veterinary Medicines Authority (APVMA) December 2022.</p>

Section 12: Ecological information

Ecotoxicity:	<p>Toxic to aquatic life with long lasting effects.</p> <p>No ecological data available for this material. The available ecological data for a similar product and the ingredients is given below:</p>
Persistence and degradability:	<p>Average field half life of glyphosate is 47 days.</p> <p>Adsorption studies indicate that glyphosate has very low mobility.</p>
Mobility:	Not available.
Bioaccumulative Potential:	Not available.
Other Adverse Effects:	Not available.
Other Precautions:	Do not spray in high winds.
Environmental Protection:	<p>Do not discharge this material into waterways, drains and sewers.</p> <p>Glyphosate is a non-selective contact herbicide.</p> <p>Spray drift can cause damage, read the label for more information.</p>
Acute Toxicity - Fish:	<p>Similar product</p> <p>TL50 (carp): 19.7 ppm/96h</p>
Acute Toxicity – Other Organisms:	<p>Glyphosate</p> <p>Birds: Not toxic to birds. LD50 for bobwhite quail is >3850 mg/kg</p> <p>Bees: Not toxic to bees. LD50 >100 µg/bee.</p>
Hazardous to the Ozone Layer:	This product is not expected to deplete the ozone layer.

Section 13: Disposal considerations (cont. page 6)

Disposal Considerations:	<p>Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.</p> <p>To minimise personal exposure, refer to Section 8 - Exposure Controls and Personal Protection.</p>
Product Disposal:	<p>On site disposal of the concentrated product is not acceptable.</p> <p>Ideally, 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 collections of unwanted chemicals (ChemClear®).</p>

Container Disposal and Methods:	<p>Do not use this container for any other purpose.</p> <p>Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for refill or storage.</p> <p>Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank.</p> <p>If recycling, replace cap and return clean containers to recycler or designated collection point.</p> <p>If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility.</p> <p>If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations.</p> <p>DO NOT burn empty containers or product.</p>
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Section 14: Transport information

Classification for ROAD and RAIL Transport (ADG):

This product complies with the requirements of Special Provision AU01 and is therefore exempted from being classified as Dangerous Goods according to the ADG Code.

Note: Special Provision AU01: Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in: packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs.

Classification for SEA transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN number:	UN 3082	Packing group:	III
Hazard class:	9	EMS:	F-A, S-F
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Glyphosate) (Marine Pollutant)		
Special provisions:	274, 335, 969		

Classification for AIR Transport (IATA/ICAO):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN number:	UN 3082	Packing group:	III
Hazard class:	9	Label:	Miscellaneous
Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s.(Contains Glyphosate)		
Packaging Instructions (passenger & cargo):	964		
Packaging Instructions (cargo only):	964		
Special provisions:	A97, A158, A197, A215		

Further information:

Hazchem Code:	●3Z
IMDG Marine pollutant:	Yes
Special Precautions for User:	Not available
Transport in Bulk:	Not available

Section 15: Regulatory information

Regulatory Information:	Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia. Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). Australia: WHS regulations (2011) - Schedule 11: classification not listed.
Other Information:	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA).
Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 6	
Registration status: Registered	APVMA Approval Number: 94011

Section 16: Any other relevant information

Date of preparation or last revision: This Safety Data Sheet was prepared on 16 December 2025.

Source of Data: The information provided in this SDS is sourced from Grow Choice studies which have been conducted according to Regulatory requirements including OECD and CIPAC Guidelines and EC Directives. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

Literature References:

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Code of Practice for Supply Diversion into Illicit Drug Manufacture.
National Code of Practice for Chemicals of Security Concern.
Agricultural Compounds and Veterinary Chemicals Act.
International Agency for Research on Cancer (IARC) Monographs.
Montreal Protocol on Substances that Deplete the Ozone Layer.
Stockholm Convention on Persistent Organic Pollutants (POPs).
Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.
Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.
International Air Transport Association (IATA) Dangerous Goods Regulations.
International Maritime Dangerous Goods (IMDG) Code.
Workplace exposure standards for airborne contaminants.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition).
Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

Note: This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions

CONTACT POINT: Grow Choice Pty Ltd
(02) 6766 3979
24 HOURS EMERGENCY CONTACT: 13 11 26

This Material Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Grow Choice's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Grow Choice shall have no liability.