

MATERIAL SAFETY DATA SHEET

WYNCA GLYPHOSATE 680 HERBICIDE

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	WYNCA GLYPHOSATE 680 HERBICIDE
Product Type	Group M Herbicide
Company Name	BIOTIS LIFE SCIENCE PTY LTD
Address	11 Norfolk Way, North Ryde, NSW 2113, Australia.
Telephone Number	02 9889 1995
Fax Number	02 9889 1998
Recommended Use	For the control of annual and perennial weeds in certain situation as per the label.

2. HAZARDS IDENTIFICATION

Hazard Classification	Not classified as hazardous according to the criteria of NOHSC Australia. Not classified as Dangerous Goods according to the ADG code.
Risk Phrase(s)	Not Hazardous ó No criteria found.
Safety Phrase(s)	Not Hazardous ó No criteria found.
Other Information	Poison Schedule S5.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Proportion</u>
Glyphosate (present as the mono-ammonium salt)	1071-83-6	680 g/kg
Other non hazardous ingredients	-	Balance

* This concentration is for the active ingredient glyphosate

4. FIRST AID MEASURES

Inhalation

Remove affected person to fresh air until recovered.

Skin Contact

Wash affected areas thoroughly with soap and water. If irritation persists, seek medical advice.

Eye Contact

If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.

Seek medical advice immediately.

Ingestion

If swallowed, do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre (Phone number: 13 112). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, foam, carbon dioxide or dry chemical.

Hazardous from Combustion Products

Keep upwind. This product, when wet, or spray solutions of this product, react with galvanized steel or unlined steel (except stainless steel) containers and tanks, to produce hydrogen gas which may form highly flammable or explosive gas mixture.

Special Protective Equipment for Fire Fighters

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

6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal

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.

Environmental Precautions

Prevent from entering drains, waterways or sewers.

7. HANDLING AND STORAGE

Handling

For personal protective equipment (PPE) and hygiene advice, refer Section 8.

Storage and Transport

Store in the closed original container in a dry, well-ventilated area out of direct sunlight.

Keep container tightly sealed and do not store with seed, fertilizers or foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure standard has been established for this product by Worksafe Australia; however, the TWA exposure standard for dusts not otherwise specified is 10mg/m³.

Engineering Controls

No special ventilation required.

Personal Protective Equipment

When preparing product for use, wear elbow-length PVC gloves and face shield or goggles.

When using controlled droplet applicator, wear protective waterproof clothing and impervious footwear.

Hygiene Measures

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light yellow granule
Odor	Slight characteristics odour
Vapour Pressure	Not available
Vapour Density	Not available
Flash Point	Not flammable
Bulk Density	0.6 ± 0.1 g/cm ³
Solubility in Water	Soluble
Flammability	Non combustible material

10. STABILITY AND REACTIVITY

Stability	Stable for at least 2 years under normal conditions of warehouse storage.
Incompatible Material	When wet, corrosive to mild steel, galvanized 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 galvanized steel or unlined steel (except stainless steel) containers or spray tanks
Hazardous Polymerization	Hazardous polymerization is not possible

11. TOXICOLOGICAL INFORMATION

No harmful effects are expected if the precautions on the label and this MSDS are followed.

Inhalation

When applying the product as a spray avoids breathing in spray mist. May cause irritation to mucous membranes and respiratory tract.

Ingestion

The concentrate is of low toxicity if swallowed. Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury. Possible symptoms of exposure include nausea, vomiting and gastrointestinal discomfort and diarrhea.

Skin

May irritate the skin.

Eye

The concentrate may cause severe irritation and possible damage unless washed off immediately.

Chronic Effects

No information available, no chronic effects expected.

Carcinogenicity

The weight of the evidence is that glyphosate is not carcinogenic.

Acute Toxicity-Oral : LD₅₀ (rat) : 5600 mg/kg

Acute Toxicity-Dermal : LD₅₀ (rat) : >5000 mg/kg

Acute Toxicity-Inhalation : LC₅₀ Inhalation (rat) : >12.2 mg/L (4 hours)

Other Information

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.

(Ref: Comm. Dept. of Health and Ageing, \pm ADI List, December 2008)

12. ECOLOGICAL INFORMATION

Persistence/Biodegradability

Adsorption studies indicate that glyphosate has very low mobility. Average field half life of glyphosate is 47 days.

Environment Protection

Do not contaminate dams, waterways or sewers with this product.

Acute Toxicity-Fish	LC ₅₀ (96 h) Rainbow trout: 86 mg/L LC ₅₀ (96 h) Bluegill sunfish: 120 mg/L
Acute Toxicity-Daphnia	EC ₅₀ (48 h) Daphnia : >780 mg/L
Acute Toxicity-Bird	Not toxic to birds LD ₅₀ Ducks (8 d): >4640 mg/kg LD ₅₀ Quail (8 d): >4640 mg/kg LD ₅₀ Bobwhite quail: >3850 mg/kg
Acute Toxicity-Bees	Not toxic to bees LD ₅₀ Bees: >0.1 mg/bee

13. DISPOSAL CONSIDERATIONS

Product Disposal

On site disposal of the concentrated product is not acceptable. 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.

Container Disposal

Do not use this container for any other purpose. Shake the last amount of product from the bag into application equipment. Thoroughly wash out the inner and add washings to the spray tank. Dispose of washed inner and cardboard box in landfill.

Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.



15. REGULATORY INFORMATION

Poisons Schedule	S5
Packaging and Labelling	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING

16. OTHER INFORMATION

This MSDS 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 must review this information in the specific context of the intended application. BIOTIS LIFE SCIENCE PTY LTD. will not be responsible for damages of any nature resulting from use of or reliance upon this information.
