



MSDS OF NAADCO GLYPHOSATE 700 SG HERBICIDE

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	NAADCO GLYPHOSATE 700 SG HERBICIDE
Supplier	New Australia Agricultural Development Company Pty Limited
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2. HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.

Not subject to the ADG Code when transported in Australia by Road or Rail in packagings that do not incorporate a receptacle exceeding 500(L) or less; or IBCs (refer to SP AU01). However if transported by Air or Sea, this provision does not apply.

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Environment



Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Signal Word: None

Hazard Statements

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 40465-66-5	Glyphosate (present as the mono ammonium salt)	Aquatic Chronic 2,	70.0%
	H411		

4. FIRST AID MEASURES



Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation.

Skin Contact: May cause slight skin irritation.

Eye Contact: Concentrate will cause severe eye irritation and possible eye damage.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Fine water spray or water fog, foam, dry chemical powder or carbon dioxide. Do not use water jet.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, nitrogen and phosphorus.

Product is not flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses. HAZCHEM Code: 2Z

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, safety glasses, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal.



7. HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from extremes of temperature and direct sunlight. When wet, 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form: Granules



Colour:	Pale beige
Odour:	Odourless
Odour Threshold:	Odourless
pH-Value:	Not determined.
Melting point/freezing point:	>190 °C
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Product is not flammable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not determined.
Relative Density at 20 °C:	0.6
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Soluble in water
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Extremes of temperature and direct sunlight.

Incompatible Materials: Strong acids, bases and strong oxidizing agents.

Hazardous Decomposition Products: Oxides of nitrogen and phosphorus.

11. TOXICOLOGICAL INFORMATION

Toxicity:

Acute Health Effects

Inhalation: May cause respiratory irritation.

Skin: May cause slight skin irritation.

Eye: Concentrate will cause severe eye irritation and possible eye damage.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: Glyphosate is classified by IARC as Group 2A - Probably carcinogenic to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:



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Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological 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 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. (Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2021).

12. ECOLOGICAL AND ECOTOXICOLOGICAL INFORMATION

Ecotoxicity: Glyphosate is slightly toxic to wild birds and non toxic to bees.

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

Persistence and Degradability: Glyphosate has average half-life of 47 days.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: Glyphosate has very low mobility.

Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14. TRANSPORT INFORMATION

UN Number

ADG, IMDG, IATA UN3077

Proper Shipping Name

ADG, IMDG, IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Glyphosate (present as the mono ammonium salt))

Dangerous Goods Class

ADG Class: 9

Packing Group:

ADG, IMDG, IATA III

EMS Number: F-A,S-F

Hazchem Code: 2Z

15. REGULATORY INFORMATION

Registered according to the Agricultural Chemicals Act, APVMA Approval Number 90210/128078



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16. OTHER INFORMATION

Version 1.0

Revision Date: 2023.08.01

The information contained in this MSDS is provided in good faith and is believed to be correct and the date hereof. Each user should read this MSDS 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.

Please read all labels carefully before using product.