



SANONDA
(AUSTRALIA) PTY

Safety Data Sheet

Page: 1 of 6

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Issue Date : March, 2021

ISSUED by SANONDA

Product Name **SICKLE 540 HERBICIDE**
Classified as hazardous

1. Identification

GHS Product Identifier Sickle 540 Herbicide
Product Code 7200
Product Type Group M Herbicide
Company Name Sanonda (Australia) Pty Ltd (ABN 23 059 813 973)
Address Suite 822, St Kilda Road Towers, No. 1 Queens Road, Melbourne, Victoria 3004 Australia
Telephone/Fax Tel: +61 3 9863 8081
 Fax: +61 3 9863 8083
Poisons Information Centre: Phone 13 1126 from anywhere in Australia
Recommended use of the chemical and restrictions on use Non selective herbicide for the control of many annual and perennial weeds as per the Directions for Use table on the label.
Other Information This Safety Data Sheet describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. Hazard Identification

Statement of Hazardous Nature This product is classified as: Xi, Irritating. N, Dangerous to the environment. Hazardous according to the criteria of SWA. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.
SUSMP Classification: S5
ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.
UN Number: None allocated



GHS Signal word: WARNING
GHS classification of the substance/mixture Skin Irritation Category 2
 Eye irritation Category 2B
 Hazardous to the aquatic environment (chronic) - category 2
Hazard Statement (s) H315: Causes skin irritation.
 H320: Causes eye irritation.
 H411: Toxic to aquatic life with long lasting effects.
Prevention P102: Keep out of reach of children.
 P262: Do not get in eyes, on skin, or on clothing.
 P264: Wash contacted areas thoroughly after handling.

Infosafe

Issue Date : March, 2021

ISSUED by SANONDA

Product Name **SICKLE 540 HERBICIDE**

Classified as hazardous

Response

P280: Wear protective gloves, protective clothing and eye or face protection.

P362: Take off contaminated clothing and wash before reuse.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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.

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

P337+P313: If eye irritation persists: Get medical advice.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

Storage

P410: Protect from sunlight.

P402+P404: Store in a dry place. Store in a closed container.

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal

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

3. Composition/information on ingredients

Chemical

Liquid

Characterization**Ingredients**

<u>Name</u>	<u>CAS</u>	<u>Concentration, g/L</u>
Glyphosate acid	1071-83-6	540 g/L
isopropylamine	75-31-0	189 g/L
Other non hazardous ingredients	--	to 100

4. First-aid measures

Ingestion

If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). 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. Give a glass of water.

Eye contact:

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

Seek medical advice.

Skin contact:

Wash affected areas thoroughly with soap and water.

If irritation persists, seek medical advice.

Inhalation:

No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Advice to Doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material. Water, foam, carbon dioxide or dry chemical.

Hazards from

Keep upwind.

Infosafe

Issue Date : March, 2021

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Product Name **SICKLE 540 HERBICIDE**

Classified as hazardous

Combustion Products	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. If involved in a major fire, could evolve oxides of nitrogen or phosphorus.
Special Protective Equipment for fire fighters	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
Other information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect in sealed open top containers for disposal. Final clean-up with degreasing agent or detergent is advised.
Personal Protection	Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling	For personal protective equipment (PPE) and hygiene advice, refer Section 8.
Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a dry, well ventilated area out of direct sunlight.
Tank Cleaning	Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.
Other Information	Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure standard has been established for this product.
Appropriate engineering controls	No special ventilation required.
Personal Protective Equipment	When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, nitrile or elbow-length PVC gloves and face shield or goggles.
Hygiene Measures	After each day's use, wash contaminated clothing and safety equipment. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.
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.

9. Physical and chemical properties

Form	Liquid
Appearance	Clear, colourless to slight amber liquid
Melting point/freezing point	Not available

Infosafe

Issue Date : March, 2021

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Solubility in Water	Completely soluble
Specific Gravity	1.24 at 20 °C
pH	4.9 - 5.1 (neat), 4.3 - 4.7 (7% w/w solution)
Volatile Component	N/A
Flash Point	Not relevant
Flammability	Not relevant

10. Stability and reactivity

Incompatible Materials	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.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

Toxicology Information	No harmful effects are expected if the precautions on the label and this MSDS are followed.
Acute Toxicity - Oral	LD ₅₀ (rat) > 5000 mg/kg (Glyphosate isopropylamine salt)
Acute Toxicity - Dermal	LD ₅₀ (rabbits) > 5000 mg/kg (Glyphosate isopropylamine salt)
Acute Toxicity - Inhalation	LC ₅₀ (rat) (4hr) > 1.3 mg/L (Glyphosate isopropylamine salt)
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 diarrhoea. Ingestion of a large quantity of the undiluted product may result in hypotension and pulmonary oedema.
Inhalation	When applying the product as a spray avoid breathing in spray mists. May cause irritation to mucous membranes and respiratory tract.
Skin	The concentrated product may cause slight irritation on contact. Prolonged contact is likely to result in irritation.
Eye	The concentrate may cause irritation of the eyes. Prolonged contact with the concentrate may cause damage to the eye.
Chronic Effects	No information available, no chronic effects expected.
Serious eye damage/irritation	Moderate eye irritant.
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, Office of Chemical Safety, 'ADI List', September 2013).

12. Ecological information



SANONDA
(AUSTRALIA) PTY

Safety Data Sheet

Page: 5 of 6

Infosafe

Issue Date : March, 2021

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Product Name **SICKLE 540 HERBICIDE**

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Persistence and degradability	Adsorption studies indicate that glyphosate has very low mobility. Average field half life of glyphosate is 47 days.
Known Harmful Effects on the Environment	Harmful to fish and other aquatic organisms (mainly due to the surfactant).
Other Precautions	Do not spray in high winds. Do not contaminate dams, waterways or sewers with this product.
Environmental Protection	Glyphosate is a non-selective contact herbicide. Spray drift can cause damage, read the label for more information.
Acute Toxicity - Fish	The following is data for a similar product. LC50 (96hr) for bluegill sunfish is 5.8 - 14 mg/l. LC50 (96hr) for rainbow trout is 8.2 - 26 mg/l. LC50 (96hr) for fathead minnow is 9.4 mg/l. TL50 (96hr) carp is 19.7 ppm
Acute Toxicity - Other Organisms	The following data is for the active ingredient, glyphosate. Birds: Not toxic to birds. LD50 for bobwhite quail is >3850 mg/kg Bees: Not toxic to bees. LD50 >100 µg/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 (ChemClear®).
Container Disposal	Do not use this container for any other purpose. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility. 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. Empty containers and product should not be burnt. drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program. Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for refill or storage.

14. Transport information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
Storage and Transport	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Other Information	Not dangerous when transported by sea or air.

15. Regulatory information

Poisons Schedule	S5
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 68925.



SANONDA
(AUSTRALIA) PTY

Safety Data Sheet

Page: 6 of 6

Infosafe

Issue Date : March, 2021

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16. Other Information

Date of preparation Revised 15/03/2021
or last revision of This SDS replaces document dated August 2015.
SDS

Contact Sanonda (Australia) Pty Ltd
Person/Point Suite 822, St Kilda Road Towers,
No.1 Queens Road, Melbourne, VIC 3004
Telephone: 03 9863 8081
Facsimile: 03 9863 8083

Revisions The SDS was reviewed. Minor changes were made to the information.
Highlighted

...End Of MSDS...

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