



Safety Data Sheet

SANONDA
(AUSTRALIA) PTY LTD

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Infosafe Issue Date : August 2015 ISSUED by SANONDA

Product Name **AminoZ CT 300 HERBICIDE**

Classified as hazardous

1. Identification

GHS Product Identifier AminoZ CT 300 Herbicide

Product Code 7094

Product Type Group I Herbicide

Company Name Sanonda (Australia) Pty Ltd (ABN 23 059 813 973)

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Recommended use of the chemical and restrictions on use Water soluble herbicide for non-selective control of many annual and perennial weeds.

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

General If medical advice is needed, have product container or label at hand.

Precautionary Statement (s) Keep out of reach of children.
Read label before use.

Other Information Poisons Schedule S6

3. Composition/information on ingredients

Chemical Characterization Liquid

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
2,4-dichlorophenoxyacetic isopropylamine salt	5742-17-6	2,4-D acid 300 g/L
water	7732-18-5	balance

4. First-aid measures

Inhalation Remove affected person to fresh air until recovered. Obtain medical advice.

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). Wash mouth with water and contact a Poisons Information Centre, or call a doctor. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Skin Wash gently and thoroughly with warm water for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods and completely decontaminate them before reuse or discard. 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.

First Aid Facilities If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.

Advice to Doctor Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media Water spray or fog. Foam



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Hazards from Combustion Products	Combustible. Slight fire hazard when exposed to heat or flame. Combustion products include: carbon dioxide (CO ₂), hydrogen chloride, phosgene, nitrogen oxides (NO _x), other pyrolysis products typical of burning organic material. May emit poisonous fumes.
Special Protective Equipment for fire fighters	Gas tight chemical resistant suit. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. When any large container (including road and rail tankers) is involved in a fire, consider evacuation by 800 metres in all directions.
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. 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

Precautions for Safe Handling	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas, refer Section 8.
Conditions for safe storage, including any incompatibilities	Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10.
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 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 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 reddish brown liquid
Odour	Ammoniacal odour
Autoignition temp	Does not burn
Boiling Point	~100°C at 100kPa
Solubility in Water	Soluble in water.
Specific Gravity	1.096 g/mL
pH	No data
Vapour Pressure	16 mm Hg (water)
Flash Point	Non flammable



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Flammability Non combustibile material.

10. Stability and reactivity

Incompatible Materials This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Avoid contact of the concentrate with acid and strong oxidising agents

Possibility of hazardous reactions This will only occur after heating to dryness. 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 in reducing atmospheres.

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 SDS are followed.

Acute Toxicity - Oral LD50 (rat) 375-666 mg/kg in rat (The acid form of 2,4-D)
LD50 (rat) 370 mg/kg in mice (The acid form of 2,4-D)
LD50 (rat) from less than 320-1000 mg/kg in guinea pigs (The acid form of 2,4-D)

Acute Toxicity - Dermal Ingestion LD50 (rat) 1500 mg/kg in rat and 1400 mg/kg in rabbit.
Harmful if swallowed. May cause nausea, vomiting, abdominal pain, decreased blood pressure, muscle weakness, muscle spasms.

Inhalation Contains materials that may be moderately toxic. Vapours could cause headache, dizziness, respiratory irritation and symptoms similar to those from ingestion.

Skin May cause slight transient irritation. Overexposure by skin absorption may cause nausea, vomiting, abdominal pain, decreased blood pressure, muscle weakness, muscle spasms.

eye Causes severe eye irritation including corneal opacity and irreversible eye damage. Causes redness and tearing. Vapours and mist can cause irritation.

Reproductive Effects Contains materials that may be moderately toxic. Vapours could cause headache, dizziness, respiratory irritation and symptoms similar to those from ingestion.

Subchronic (target organ) effects (An adverse effect with symptoms that develop slowly over a long period of time): Repeated overexposure may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

Chronic Effects The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, more current 2, 4-D lifetime feeding studies in rats and mice did not show carcinogenic potential. Studies in laboratory animals with 2, 4-D have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

Developmental Toxicity Genotoxicity There have been some positive and some negative studies, but the weight of evidence is that 2,4-D is not mutagenic.

12. Ecological information

Persistence and degradability Adsorption studies indicate that glyphosate has very low mobility. Average field half life is 5 days.

Known Harmful Effects on the Environment 2,4-D is harmful to wildfowl and slightly to moderately toxic to birds.

Other Precautions Do not spray in high winds.
Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.



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Environmental Protection	The commonly used 2,4-D amine salts and 2,4-D esters are not persistent under most environmental conditions. Under these conditions, the environmental exposure from 2,4-D esters and 2,4-D amines is expected to be minimal in both terrestrial and aquatic environments. Carefully read the precautions under 'Aquatic Weed Control' in the 'Directions For Use' table on the label.
Acute Toxicity - Fish	Some formulations of 2, 4-D are highly toxic to fish while others are less so. Limited studies indicate a half-life of less than 2 days in fish and oysters.
Acute Toxicity - crabs	Concentrations of 10 mg/L for 85 days did not adversely affect the survival of adult dungeness crabs. LC50 (72hr) for immature crabs >10 mg/l
Acute Toxicity - shrimp	LC50 (48hr) for Brown shrimp 2 mg/l.
Acute Toxicity - Other Organisms	Birds: slightly to moderately toxic to birds. Bees: Not toxic to bees. LD50 0.0115 mg/bee.

13. Disposal considerations

Product Disposal	Triple or preferably pressure rinse containers before disposal. Add rinsing to spray tank. Do not dispose of undiluted chemical on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and tree roots. Empty containers and product should not be burnt.
Container Disposal	Empty containers fully into application equipment. Close all valves and return to point of supply for refill or storage. 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. DO NOT burn empty containers or product.

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.

15. Regulatory information

Poisons Schedule	S6
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA approval number: 59600/20L/2014

16. Other Information

Date of preparation or last revision of SDS	Revised 28/08/2015 This SDS replaces document dated May 2011.
Contact Person/Point	Sanonda (Australia) Pty Ltd Suite 822, St Kilda Road Towers, No. 1 Queens Road, Melbourne VIC 3004 Telephone: +61 3 9863 8081 Facsimile: +61 3 9863 8083



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Revisions
Highlighted

The SDS was reviewed to include GHS requirements.
See information in Section 2 - Hazards Identification and Section 11 -
Toxicological Information.

...End Of MSDS...

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