

Section 1 - Identification of the Material and Supplier

Product Name:	Swan Simazine 900 WG Herbicide
APVMA Approval No.:	96502
Chemical Nature:	Water dispersible granule (WG) containing simazine
Product Use:	Agricultural insecticide for use as described on the product label
Company:	Swan Chemical Holdings Pty Ltd U2/9 Glossop Street, Wangara WA 6065 Phone: 1300 289 520 info@swanchemicalholdings.com swanchemicalholdings.com
Creation Date:	December 2025
Poisons Information Centre:	Phone 13 11 26 from anywhere in Australia

Section 2 - Hazards Identification

Hazardous Nature

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).



Carcinogenicity 2 H351 Suspected of causing cancer.



Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects

Signal Word **WARNING**

Hazard Statements

H351 Suspected of causing cancer.

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection/ and face protection.

Response

P308+P313 IF exposed or concerned: Get medical advice/attention.

P391 Collect spillage.

P405 Store locked up. P403+P235 Store in a well-ventilated place. Keep cool.

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

Section 3 - Composition/Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Hazardous Components: CAS No.: 122-34-9 Simazine:

Carcinogenicity 2, H351; Aquatic Acute1, H400; Aquatic Chronic 1, H410

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Section 4 - First Aid Measures

Inhalation:

If inhaled, remove to fresh air. 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, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause mild respiratory irritation.

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause mild eye irritation, redness, and lacrimation.

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

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Water fog or fine spray is the preferred medium for large fires.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and nitrogen, hydrogen chloride and other chlorine compounds, hydrogen cyanide and smoke.

Product is non-flammable but may form flammable or explosive dust clouds in air.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers. Do not allow run-off from firefighting to enter drains or water courses.

HAZCHEM: 2Z

Special Protective Equipment and Precautions for Fire Fighters:

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

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment, keep unprotected persons away.

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 vacuum/sweep granules into a pile and shovel into drums for subsequent disposal. Use wet sweeping techniques to avoid generating dust. Provide adequate ventilation. Decontaminate spill area with detergent and water.

Section 7 - Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. 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 direct sunlight. Keep away from strong oxidising agents.

Section 8 - Exposure Controls and 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.

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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 or rubber 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 dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

Section 9 - Physical and Chemical Properties:

Appearance:

Form:	Granulate
Colour:	Off-white
Odour:	Non-specific
Odour Threshold:	No information available
pH-Value:	No information available
Melting point / Freezing point:	225 - 227 °C (with decomposition)
Initial Boiling Point/Boiling Range:	Not applicable
Flash Point:	No information available
Flammability:	Product is not flammable
Ignition Temperature:	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	Negligible at ambient temperature.
Bulk Density:	0.45 - 0.55
Relative Density:	No information available
Vapour Density:	Not applicable
Evaporation Rate:	Not applicable
Solubility in Water:	Wettable
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	Not applicable

Section 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: Direct sunlight.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products:

Oxides of carbon and nitrogen, hydrogen chloride and other chlorine compounds, hydrogen cyanide and smoke.

Section 11 - Toxicological Information

Toxicity Data

LD50/LC50 Values Relevant for Classification:
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CAS: 122-34-9 Simazine (ISO)		
Oral	LD50	>5000 mg/kg (mice); >5000 mg/kg (rat)
Dermal	LD50	3100 mg/kg (rat); >10000 mg/kg (rabbit)
Inhalation	LC50 / 4 hr	>2 mg/L (rat)

Acute Health Effects

Inhalation: May cause mild respiratory irritation.

Skin: May cause mild skin irritation.

Eye: May cause mild eye irritation, redness, and lacrimation.

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

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:

Suspected of causing cancer.

Simazine is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

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

Specific Target Organ Toxicity (STOT) - Single Exposure:**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:

Repeated and prolonged exposure may cause tremors, weakness, incoordination, weight loss and damage to the testes, kidneys, liver and thyroid.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information:

The Australian Acceptable Daily Intake (ADI) for simazine for a human is 0.005 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.5 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', 2020).

Section 12 - Ecological Information

Ecotoxicity:

Simazine is non-toxic to birds and bees.

Sheep and cattle are especially sensitive to simazine.

Aquatic toxicity:

Very Toxic to aquatic life with long lasting effects.

CAS: 122-34-9 Simazine (ISO)

EC50/48 h 1 mg/L (Daphnia)

LC50/96 h 70.5 mg/L (Rainbow Trout)

Persistence and Degradability:

Simazine is moderately persistent in soil. Half-life in soil ranges from 24 - 149 days, with 60 days as an average.

Bioaccumulative Potential: No information available

Mobility in Soil:

Simazine has low solubility in water and is adsorbed to clay particles, limiting its mobility and potential to leach.

Other adverse effects: No further relevant information available.

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Section 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.

Section 14 - Transport Information

UN Number	Not subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg(L) or less; or IBCs (refer to SP AU01).	
ADG	Not regulated.	
IMDG, IATA	UN3077	
Proper Shipping Name		
ADG	Not regulated	
IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Simazine (ISO))	
Dangerous Goods Class		
ADG Class:	Not regulated	
Subsidiary Risk:		
IMDG Class:	9 Miscellaneous dangerous substances and articles.	
Packing Group:		
ADG	Not regulated	
IMDG, IATA	III	
Marine pollutant:	Yes	
EMS Number:	F-A,S-F	
Hazchem Code:	2Z	
Special Provisions:	274, 331, 335, 375, AU01	
Limited Quantities:	5 kg	
Packagings & IBCs - Packing Instruction:	P002, IBC08, LP02	
Packagings & IBCs - Special Packing Provisions:	PP12, B3	
Portable Tanks & Bulk Containers - Instructions:	T1, BK2, BK3	
Portable Tanks & Bulk Containers - Special Provisions:	TP33	

Section 15 - Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

- **Poison Schedule:** Not Scheduled.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS 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 SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

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IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS
OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

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