

MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of Worksafe Australia

COMPANY DETAILS:

Novartis Crop Protection Australasia Limited
A.C.N. 002 933 717
140-150 Bungaree Rd.,
PENDLE HILL, NSW, 2145

Telephone No.: (02) 9688 0444
24 Hours Emergency No.: 1 800 033 111

IDENTIFICATION

PRODUCT NAME: Flowable GESATOP⁰ 500 SC Liquid Herbicide

Formulation type:	suspension concentrate (ie flowable aqueous suspension)	Dangerous Goods Class/ and Subsidiary Risk:	none allocated
Active Ingredient:	simazine	Hazchem Code:	none allocated
Product Code No.:	R-434/144/6	Packaging Group:	none allocated
Chemical type:	triazine	Poisons Schedule:	exempt
UN Number:	none allocated		

USE: Herbicide for the control of weeds in orchards, vineyards, asparagus, field lupins, berry fruits, gladioli, hops, almonds and non-agricultural situations, in certain states as specified in the Directions for Use table on the container label leaflet.

PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	Light green flowable suspension	Flash Point:	>61°C (closed cup)
Odour:	Non-specific	Flammability:	Non-flammable
Vapour pressure:	< 0.81 mPa (20°C)	Behaviour in water:	Suspensible
Specific gravity (H₂O=1)	1.12-1.14 (20°C)		

OTHER PROPERTIES

Explosive properties:	Non-explosive	Oxidising properties:	Non-oxidising
Ignition temperature:	Not available	Corrosiveness:	Non-corrosive
Thermal sensitivity:	Non-sensitive	Combustibility:	Non-combustible
Self-heating properties:	Not self-heating	Volatility:	Non-volatile
Viscosity:	400-800 mPa x s	pH (1% aqueous):	6.5-8.5

INGREDIENTS

	CAS No.	Content (%w/v)
simazine (technical grade)		>50
to give simazine	[122-34-1]	50
alkylene glycol		<10
triethanolamine salt alkylbenzene sulphonate		<10
fatty acid methyl tauride, sodium salt		<10
other ingredients determined not to be hazardous		30-<60

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE

Toxicity - This product is slightly hazardous (WHO Class III)

Swallowed: **LOW TOXICITY**
Tests on rats indicate a low toxicity following single doses of undiluted product.
(LD₅₀ = approx. 7080 mg/kg)

Dermal absorption: **LOW TOXICITY**
Tests on rats indicate a low toxicity due to skin contact with undiluted product.
(LD₅₀ >2150 mg/kg)

Inhaled: **LOW TOXICITY**
Tests on rats indicate a low toxicity due to inhalation of undiluted product.
(LC₅₀ (4 h) >946 mg/m³)

Irritation (based on studies with rabbits)

Eye: **SLIGHT IRRITANT**
Skin: **NON-IRRITANT**

Sensitisation

Skin: **Simazine technical** did not induce a sensitisation reaction in guinea pigs.

Poisoning symptoms:

No case of human poisoning due to this product is on record. The poisoning symptoms observed for laboratory mammals were non-specific.

CHRONIC (Active Ingredients)

Simazine technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, teratogenic or reproductive effects was obtained. After chronic oral administration an increased incidence of mammary tumours was observed in female rats fed high doses. The relevance to humans of the mammary tumour findings is heavily doubted.

FIRST AID

Swallowed: If poisoning occurs contact a doctor or Poisons Information Centre.
Eye: Flush with large quantities of clean tap water for at least 15 minutes.
Skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.
Inhaled: Move affected person to fresh air and keep at rest until recovered.

ADVICE TO DOCTOR

No specific antidote exists. Treat symptomatically.

PRECAUTIONS FOR USE

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

EXPOSURE STANDARDS

No exposure standards have been set for the components of this product.

Exposure Potential - Swallowing is unlikely under normal conditions of usage. Significant skin uptake does not occur. Inhalation is a possible route of exposure. This product is diluted with water prior to use as a spray. This diluted form is less toxic by all routes of exposure.

Re-entry Period - Do not enter treated areas without protective clothing until the spray has dried.

ENGINEERING CONTROLS

No special requirements. Product is used outdoors.

PERSONAL PROTECTION

Avoid contact with eyes and skin. Do not inhale spray mist. Wash hands after use.

FLAMMABILITY

This product is NON-FLAMMABLE and non-combustible.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Store in tightly sealed original containers in a dry secure place away from fertilisers, seed, feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals.

SPILLS AND DISPOSAL

In case of spillage it is important to take all steps necessary to:

- Avoid eye and skin contact.
- Avoid contamination of waterways.

Procedure for spill:

- (1) Keep all bystanders away.
- (2) Wear full length clothing and PVC gloves.
- (3) Reposition any leaking containers so as to minimise further leakage.
- (4) Dam and absorb spill with an absorbent material (e.g. sand or soil).
- (5) Shovel the absorbed spill into drums.
- (6) Disposal of the absorbed material will depend upon the extent of the spill.
 - For quantities up to 50L of product bury in a secure landfill site.
 - For quantities greater than 50L seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established.
- (7) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.

Dispose of empty, used containers by:

- (a) Triple rinsing with water. Add the rinsings to the tank mix or dispose of rinsate in a disposal pit away from desirable plants and their roots, and watercourses. On-site disposal of undiluted product is unacceptable.
- (b) Breaking, crushing or puncturing the container to prevent reuse.
- (c) Disposing of in a local authority landfill site that does not burn its refuse. If there is no local authority landfill readily available in your area, bury the containers under at least 500 mm of soil at a licensed/approved disposal site. **DO NOT** burn empty containers or product.

FIRE/EXPLOSION HAZARD

This product is non-flammable, non-explosive and non-combustible. Extinguish warehouse and factory fires using fine-water spray or foam. Do not allow fire-water to enter drains.

OTHER INFORMATION

Simazine technical is practically non-toxic to fish, birds and bees.

Simazine technical is probably degraded by microorganisms.

Note: This product is a registered agricultural chemical and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Federal health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

CONTACT POINT: Regulatory Affairs Manager - Crop Protection - (02) 9688 0444
24 HOURS EMERGENCY CONTACT: 1 800 033 111

This Material Safety Data Sheet 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 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.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

® Registered Trade Mark of Novartis AG, Basel, Switzerland.

Acknowledgments:

Collated by HerbiGuide. Phone 08 98444064 for more information.