



103 - 105 PIPE ROAD, LAVERTON NORTH, VIC. AUSTRALIA 3026  
Postal Address: PO Box 103, LAVERTON, VIC. AUSTRALIA 3028  
Telephone: 03 9282 1000 Fax: 03 9282 1001

PRODUCT: SIMAZINE Flowable	Infosafe No: NU02E ISSUED: Nov 00
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Hazardous according to criteria of Worksafe Australia

UN NO....:N/A	D.G.CLASS:N/A	CAS NO...:N/A
HAZCHEM...:N/A	SUB. RISK:	SUSDP....:
G.T.EPG...:N/A	SPEC.EPG.:	PACK. GRP:N/A
IMDG.....:N/A		

PRODUCT IDENTIFICATION

OTHER NAMES:

TRADENAMES.:	MANUF.:	MANCODE:
Simazine Flowable	NUFARM	0730

INGREDIENTS:

CHEMICAL ENTITY:	CAS NO:	PROPORTION:
Simazine	122-34-9	500 g/L
Ethylene glycol	107-21-1	5-10%
Glycerol		0-5%
Stabilisers and surfactants		5%

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE:

White liquid, sweetish odour

BOILING POINT.....: ~100C (water)

MELTING POINT.....: N/A

VAPOUR PRESSURE....: 6.1x10<sup>-9</sup> mm Hg @ 20C for simazine

VOLATILE COMPONENT.: 40%

SPECIFIC GRAVITY...: 1.145 - 1.155

FLASH POINT.....: Non flammable

FLAMMABILITY LIMITS: N/A

AUTOIGNITION TEMP..: N/A

FORM.....: Liquid

OTHER PROPERTIES:

Disperses in water. Not water soluble.

USE:

Prevents development of certain germinating annual grass and broadleaf weeds when applied to bare moist soil. Use at seeding with lupins and faba beans. Also suitable for use in established lucerne.



**MATERIAL SAFETY DATA SHEET**

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HEALTH HAZARD INFORMATION

**ACUTE EFFECTS**

**SWALLOWED:**

Not considered a major hazard due to the very low toxicity of the product. The product has been classified as hazardous using the Worksafe Criteria.

**EYE:**

The concentrate may cause mild irritation.

**SKIN:**

Skin absorption is not considered a hazard. In some isolated cases, transient skin eruptions may result.

**INHALED:**

Simazine is not volatile, so the concentrate is not a problem from an inhalation point of view. However, inhalation of spray mist should be avoided.

**CHRONIC EFFECTS**

Other than an occasional transient skin eruption in a few rare cases, no chronic effects have been documented. There is a warning that regular exposure to simazine may result in irreversable effects. (See toxicity data.)

**OTHER HEALTH HAZARD INFORMATION**

In over 20 years of use, no substantiated case of poisoning in humans from the ingestion of simazine has been reported. However, occasional transient skin eruptions have been reported from experimental or commercial use.

**FIRST AID**

**SWALLOWED:**

If swallowed, induce vomiting. Use Ipecac syrup (APF) if available.

**EYE:**

Irigate for 15 minutes with copious quantities of water with eyelids held open.

**SKIN:**

Remove contaminated clothing and launder before re-use. Wash affected areas of skin thoroughly with soap and water.

**INHALED:**

Remove to fresh air until recovered. Inform physician.

**FIRST AID FACILITIES:**

**ADVICE TO DOCTOR:**

Treat symptomatically.



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**TOXICITY DATA:**

Simazine Technical:

Toxicity to mammals:

Acute oral LD50 (rat, mouse, rabbit): >5,000mg/kg

Toxicity to birds:

Acute oral LD50 (hens, pigeons): >5,000mg/kg

Toxicity to fish:

Not toxic to fish

LC50 (rainbow trout): 56mg/l (48 hours)

(perch): 90mg/l (96 hours)

(guppy): 49mg/l (96 hours)

Not toxic to bees

Simazine has been assessed in animals and some data exists that simazine is a substance which causes some concern for humans owing to possible carcinogenic effects from long term exposure, but in respect of which the available information is not adequate for making a satisfactory assessment. (Carcinogen cat 3)

The Australian Acceptable Daily Intake(ADI) of simazine for a human is 0.005 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.5mg/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 & Family Services, TGA, "ADI List ", AGPS, April 1997).

PRECAUTIONS FOR USE

**EXPOSURE STANDARDS:**

No exposure limits have been set for this product

**ENGINEERING CONTROLS:**

Natural ventilation only

**PERSONAL PROTECTION:**

When preparing product for use, wear cotton overalls buttoned to the neck and wrist and washable hat, elbow length PVC gloves and effective eye protection. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly. After each day's use, wash contaminated clothing and safety equipment.





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**FIRE/EXPLOSION HAZARD:**

The product is not flammable, however, if it is involved in intense fires, it may decompose and release oxides of nitrogen and HCl. If fighting fires in which this product is involved, fight from upwind or wear self-contained breathing apparatus. Contain fire water.

**Reactivity Data:**

Avoid oxidising agents.  
Strong acids or alkalis will slowly decompose simazine.  
No hazardous reactions known, polymerisation is not possible.

OTHER INFORMATION

User Data:

WSA Haz? :Y

Contact Point:

Normal Hours: Mr. Volker Maier Phone: (03) 9282-1000  
After Hours: Shift Supervisor Phone: 1 800 033 498

End: Infosafe printed Material Safety Data Sheet - 20 November 2000