

# MATERIAL SAFETY DATA SHEET

Page 1 of 4  
This revision issued: March, 2004

## Section 1 – Identification of Chemical Product and Company

Sipcam Pacific Australia Pty. Ltd.

A.C.N. 073 176 888

Suite 11

23 – 31 Gheringhap Street  
Geelong, Victoria, 3220

**Substance:** Simazine  
**Trade Name:** **Simazine 500 Flowable**  
**Product 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. See label for details.  
**Creation Date:** March 1999  
**Revision Date:** **March 2004**

## Section 2 – Hazards Identification

### Statement of Hazardous Nature

Not classified as hazardous according to the criteria of WorkSafe Australia.

**Risk Phrases:** None Allocated

**Safety Phrases:** None Allocated

**SUSDP Classification:** Not scheduled

**ADG Classification:** None allocated

**UN No:** None allocated

### Emergency Overview

**Physical Description and Colour:** White flowable suspension.

**Odour:** No odour

**Major Health Hazards:** No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

### Potential Health Effects

**Inhalation:** Data suggests that this product should present no significant problems to typical persons in normal use.  
LD<sub>50</sub> Oral (Rat) >5000mg/kg  
LD<sub>50</sub> Dermal (Rat) >2000mg/kg  
LD<sub>50</sub> Oral (Mouse) >5000mg/kg  
LC<sub>50</sub> Inhalation (Rat) >5.5mg/L/4hr

**Skin Contact:** This product is mildly irritating to skin. However, it is unlikely to cause more than minor discomfort or effects such as itchiness, occasional small blisters or slight skin reddening.

**Eye Contact:** This product is mildly irritating to the eyes. It is likely to cause mild discomfort such as watering and redness of the eyes. However, this should quickly disappear once exposure is over.

**Ingestion:** Data suggests that this product should present no significant problems to typical persons in normal use.

### Carcinogen Status

**NOHSC:** No significant ingredient is classified as carcinogenic by NOHSC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

## Section 3 – Composition / Information on Ingredients

Ingredients	CAS No	Conc, %	TWA, mg/m <sup>3</sup>	STEL, mg/m <sup>3</sup>
Simazine	122-34-9	10	not set	not set
Ethylene glycol	107-21-1	50	60 (vapour)	120
Water & other non hazardous ingredients	secret	to 100	not set	not set

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should

not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

---

## Section 4 – First Aid Measures

### General Information:

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 1126 from anywhere in Australia. If swallowed, and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF.

**Inhalation:** No first aid measures normally required. However, if vapours or mists have been inhaled, 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.

**Skin Contact:** If product gets on skin, thoroughly wash contacted areas. No further measures should normally be required unless irritation is noticed. If irritation persists, seek medical attention.

**Eye Contact:** If product gets in eyes, wash material from them with running water. If they begin watering or reddening, take special care in washing thoroughly.

**Ingestion:** Data suggests that this product should present no significant problems to typical persons in normal use.

---

## Section 5 – Fire Fighting Measures

**Fire & Explosion Hazard:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

**Extinguishing Media:** This product does not burn. Use extinguishing media suited to the materials that are burning.

**Special Fire Fighting procedures:** Immediately evacuate the area of unnecessary personnel. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered.

**Flashpoint:** Does not burn.

**Flammability limits:** Not applicable. This product does not burn

**Unusual Fire & Explosion Hazards:** Fire decomposition products from this product may form toxic and corrosive mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating.

**Stability:** This product is unlikely to spontaneously decompose.

---

## Section 6 – Accidental Release Measures

Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services.

---

## Section 7 – Handling and Storage

No special storage requirements. This product has no UN classification. Not a Scheduled Poison. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid".

---

## Section 8 – Exposure Controls and Person Protection

**Exposure Standards:** A time weighted average (TWA) has been established for Ethylene glycol, present in significant quantities in this product. This value is 60 (vapour)mg/m<sup>3</sup>. The corresponding STEL level is 120mg/m<sup>3</sup>. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. See ingredients. The ADI (Acceptable Daily Intake) for Simazine is set at 0.005mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 0.5mg/kg/day. Values taken from Australian ADI List, December 2003.

**Engineering Controls:** In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

# MATERIAL SAFETY DATA SHEET

Page 3 of 4

This revision issued: March, 2004

The following Australian Standards will provide general advice regarding safety clothing and equipment:

**Respiratory equipment:** AS/NZS 1715, **Protective Gloves:** AS 2161, **Industrial Clothing:** AS2919, **Industrial Eye Protection:** AS1336 and AS/NZS 1337, **Occupational Protective Footwear:** AS/NZS2210.

**Respiratory Protection:** It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred.

**Protective Gloves:** Impermeable protective gloves should be worn when you are using this product, to prevent irritation.

**Eye Protection:** Protective eyewear is suggested when using this product. It is always prudent to use protective eyewear.

**Clothing:** Clean overalls or protective clothing should be worn, preferably with an apron.

**Safety Boots:** Wearing safety boots in industrial situations is advisory.

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

---

## Section 9 – Physical and Chemical Properties

<b>Physical Description and Colour:</b>	White flowable suspension
<b>Odour:</b>	No odour
<b>Boiling point:</b>	Approximately 100°C
<b>Vapour pressure:</b>	100kPa
<b>Melting/softening point:</b>	Approximately 0°C
<b>Volatile materials:</b>	Water component
<b>Flashpoint:</b>	Does not burn
<b>Specific gravity:</b>	1.1 approx
<b>Solubility in water:</b>	Completely soluble
<b>Corrosiveness:</b>	Not corrosive

---

## Section 10 – Stability and Reactivity

<b>Stability:</b>	This product is unlikely to spontaneously decompose
<b>Polymerisation:</b>	This product is unlikely to spontaneously polymerise
<b>Decomposition Products:</b>	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen, and under some circumstances, oxides of nitrogen. Hydrogen chloride gas, chlorides, and in some circumstances, phosgene which is a toxic gas. Water.
<b>Materials to avoid:</b>	No particular incompatibilities

---

## Section 11 - Disposal Considerations

Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations.

---

## Section 12 - Transport Information

**ADG Code:** None Allocated. Not special transport requirements.

---

## Section 13 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are to be found in the public AICS Database.

---

## Section 14 - Other Information

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

# MATERIAL SAFETY DATA SHEET

Page 4 of 4

This revision issued: March, 2004

## Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

## CONTACT POINTS

## AUSTRALIA

<b>Police and Fire Brigade:</b>	<b>Dial</b>	<b>000</b>
<b>If ineffective:</b>	<b>Dial</b>	<b>1100 (Exchange)</b>
<b>For emergency response:</b>	<b>Dial</b>	<b>1800 033 111</b>
<b>National Poisons Information Centre:</b>	<b>Dial</b>	<b>13 1126 (from anywhere in Australia)</b>

## Please read all labels carefully before using product.

This MSDS 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. The 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.

This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]  
Copyright © Kilford & Kilford Pty Ltd, March 2004.  
<http://www.kilford.com.au/> Phone (02)9251 4532