

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** **PROLAN 500 FLOWABLE HERBICIDE**

**Recommended Use of the Chemical and Restrictions on Use** An agricultural herbicide for use as described on the product label.

**Supplier:** Sipcam Pacific Australia Pty. Ltd.  
**ABN:** 94 073 176 888  
**Street Address:** Level 1  
191 Malop Street  
Geelong, Victoria, 3220  
Australia

**Telephone Number:** +61 (0) 3 5223 3746 (business hours)  
**Facsimile:** +61 (0) 3 5223 3756  
**Website:** www.sipcam.com.au

**Emergency Telephone:** **1 800 033 111 (ALL HOURS)**

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

## 2. HAZARDS IDENTIFICATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in: packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs.

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

### Classification of the chemical:

Skin Sensitisation - Category 1

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:

Acute Aquatic Toxicity - Category 1

Chronic Aquatic Toxicity - Category 1

**SIGNAL WORD:** WARNING



### Hazard Statement(s):

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

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## Precautionary Statement(s):

### Prevention:

P103 Read label before use.  
P261 Avoid breathing mist, vapours, spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, protective clothing.

### Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).  
P363 Wash contaminated clothing before re-use.  
P391 Collect spillage.

### Storage:

No storage statements.

### Disposal:

P501 Dispose of contents and container in accordance with local, regional, national, international regulations.

**Poisons Schedule (SUSMP):** None allocated.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Oryzalin	19044-88-3	50%	H317 H410
Non hazardous component(s)	-	to 100%	-

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

### Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

### Skin Contact:

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water and soap. If swelling, redness, blistering or irritation occurs seek medical assistance.

### Eye Contact:

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

### Ingestion:

Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

### Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

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Substance No: 00000063018

Issued: 02/01/2019  
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## 5. FIRE FIGHTING MEASURES

### Suitable Extinguishing Media:

Not combustible, however, if material is involved in a fire use: Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.

**Hazchem or Emergency Action Code:** · 3Z

### Specific hazards arising from the chemical:

Non-combustible material. Decomposes on heating emitting toxic fumes including those of oxides of carbon.

### Special protective equipment and precautions for fire-fighters:

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency procedures/Environmental precautions:

Clear area of all unprotected personnel. Do not allow container or product to get into drains, sewers, streams or ponds. If contamination of sewers or waterways has occurred advise local emergency services.

### Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:

Slippery when spilt. Avoid accidents, clean up immediately. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. After cleaning, flush away any residual traces with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour, mists and aerosols. When using do not eat, drink or smoke. Wash hands thoroughly after handling. Launder contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities:

Do NOT store near (or allow to contact) fertilizers, fungicides or pesticides. Store in the closed, original container, in a cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilizers. Avoid temperatures >30°C. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:** No value assigned for this specific material by Safe Work Australia.

### Appropriate engineering controls:

Use in well ventilated areas. Keep containers closed when not in use.

### Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

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Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Bright Orange
<b>Odour:</b>	Mild
<b>Odour Threshold:</b>	Not available
<b>Solubility:</b>	Miscible in water.
<b>Specific Gravity:</b>	ca. 1.18
<b>Relative Vapour Density (air=1):</b>	Not available
<b>Vapour Pressure (20 °C):</b>	Not available
<b>Flash Point (°C):</b>	Not applicable
<b>Flammability Limits (%):</b>	Not applicable
<b>Autoignition Temperature (°C):</b>	Not applicable
<b>Boiling Point/Range (°C):</b>	ca. 100 (at 100 kPa)
<b>Decomposition Point (°C):</b>	Not available
<b>pH:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>Partition Coefficient:</b>	log Pow 3.73 (for Oryzalin at pH 7)
<b>Freezing Point/Range (°C):</b>	ca. 0

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No information available.
<b>Chemical stability:</b>	Stable if stored and handled under recommended conditions.
<b>Possibility of hazardous reactions:</b>	None known.
<b>Conditions to avoid:</b>	Do not allow product to dry out. Avoid temperatures above 30 °C.
<b>Incompatible materials:</b>	Incompatible with strong oxidising agents.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Hydrogen cyanide.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

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<b>Ingestion:</b>	No adverse effects expected, however, large amounts may cause nausea and vomiting.
<b>Eye contact:</b>	May be an eye irritant.
<b>Skin contact:</b>	Contact with skin may result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
<b>Inhalation:</b>	Breathing in mists or aerosols may produce respiratory irritation.
<b>Acute toxicity:</b>	No LD50 data available for the product. For Oryzalin: Oral LD50 (rat): 10,000 mg/kg Dermal LD50 (rabbit): >2000 mg/kg
<b>Respiratory or skin sensitisation:</b>	A skin sensitiser.
<b>Chronic effects:</b>	
<b>Mutagenicity:</b>	Animal genetic toxicity studies were negative.
<b>Carcinogenicity:</b>	Not listed as carcinogenic according to the International Agency for Research on Cancer (IARC).
<b>Reproductive toxicity:</b>	No evidence of impaired fertility was found in animal studies.
<b>Specific Target Organ Toxicity (STOT) - single exposure:</b>	Not classified.
<b>Specific Target Organ Toxicity (STOT) - repeated exposure:</b>	In animals, effects have been reported on the following organs: liver, kidneys.
<b>Aspiration hazard:</b>	No information available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Avoid contaminating waterways.
<b>Persistence/degradability:</b>	Not readily biodegradable.
<b>Bioaccumulative potential:</b>	No information available.
<b>Mobility in soil:</b>	No information available.
<b>Aquatic toxicity:</b>	Very toxic to aquatic organisms. May cause long lasting harmful effects to aquatic life.
48hr EC50 (Daphnia magna):	1.5 mg/L
96hr LC50 (fish):	0.19 mg/L (Gammarus fasciatus)

## 13. DISPOSAL CONSIDERATIONS

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## Disposal methods:

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site.

If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

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**UN No:** 3082  
**Transport Hazard Class:** 9 Miscellaneous Dangerous Goods  
**Packing Group:** III  
**Proper Shipping Name or Technical Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ORYZALIN)  
**Hazchem or Emergency Action Code:** - 3Z

### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

**UN No:** 3082  
**Transport Hazard Class:** 9 Miscellaneous Dangerous Goods  
**Packing Group:** III  
**Proper Shipping Name or Technical Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ORYZALIN)  
**IMDG EMS Fire:** F-A  
**IMDG EMS Spill:** S-F

### Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN No:** 3082  
**Transport Hazard Class:** 9 Miscellaneous Dangerous Goods  
**Packing Group:** III  
**Proper Shipping Name or Technical Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ORYZALIN)

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## 15. REGULATORY INFORMATION

**Classification:**

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

**Classification of the chemical:**

Skin Sensitisation - Category 1

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:

Acute Aquatic Toxicity - Category 1

Chronic Aquatic Toxicity - Category 1

**Hazard Statement(s):**

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

**Poisons Schedule (SUSMP):** None allocated.

This product is registered in Australia by the Australian Pesticides & Veterinary Medicines Authority (APVMA).  
APVMA Approval Number 60335/58307

## 16. OTHER INFORMATION

References:

Supplier Safety Data Sheet; 12/ 2016.

'Registry of Toxic Effects of Chemical Substances'. Ed. D. Sweet, US Dept. of Health & Human Services: Cincinnati, 2018.

This safety data sheet has been prepared by Ixom Operations Pty Ltd (Toxicology & SDS Services).

**Reason(s) for Issue:**

Change in company details

Product Name change

Acronyms:

CAS number: Chemical Abstracts Service Registry Number

UN Number: United Nations Number

NOS: Not otherwise specified

Hazchem or Emergency Action Code: Set of numbers and letters that provide information to emergency services especially firefighters

# Safety Data Sheet



This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Sipcam Pacific Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Sipcam representative or Sipcam Pacific Australia Pty Ltd at the contact details on page 1.

Sipcam Pacific Australia Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.