



# Material Safety Data Sheet

## 4FARMERS PROPYZAMIDE 500 SC HERBICIDE

ISSUED BY 4FARMERS  
Issue Date: 21/08/2012  
Review Date: 21/08/2017  
MSDS: 62131

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### Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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#### PRODUCT NAME

4FARMERS PROPYZAMIDE 500 SC HERBICIDE

#### PRODUCT USE

Control of grasses and other weeds in Lettuce, Sports turf, Home lawns and Legume seed crops and pastures

#### SUPPLIER

Company: 4Farmers Pty Ltd  
Address:  
1/70 MCDOWELL ST. A  
WELSHPOOL, 6106  
AUSTRALIA  
Telephone: 08- 9356 3445  
Fax: 08- 9356- 3447

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### Section 2 - HAZARDS IDENTIFICATION

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#### STATEMENT OF HAZARDOUS NATURE

**HAZARDOUS SUBSTANCE.**  
**NON-DANGEROUS GOODS.**

Hazard classification according to the criteria of NOHSC.  
Dangerous Goods classification according to the ADG Code.

#### POISONS SCHEDULE

S5

#### RISK

- Irritating to eyes and respiratory system.
- Limited evidence of a carcinogenic effect.
- Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
- Ingestion may produce health damage\*.
- Cumulative effects may result following exposure\*.
- May produce skin discomfort\*.

#### SAFETY

- Use only in well ventilated areas.
- Keep container in a well ventilated place.
- Avoid exposure - obtain special instructions before use.
- To clean the floor and all objects contaminated by this material use water.
- This material and its container must be disposed of in a safe way.
- Keep away from food drink and animal feeding stuffs.
- In case of contact with eyes rinse with plenty



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■ May affect fertility\*.

■ May be harmful to the foetus/ embryo\*.

\* (limited evidence).

of water and contact Doctor or Poisons Information Centre.

■ If swallowed IMMEDIATELY contact Doctor or Poisons Information Centre. (show this container or label).

■ Use appropriate container to avoid environmental contamination.

■ Avoid release to the environment. Refer to special instructions/Safety data sheets.

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	g/kg
PROPYZAMIDE	23950-58-5	500g/Lt
Ingredients non hazardous (water included)	Proprietary	balance

### Section 4 - FIRST AID MEASURES

#### GENERAL INFORMATION

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

#### SWALLOWED

If product is swallowed or gets in mouth, wash mouth with water and give some water to drink. Contact a Poisons Information Centre 131126 or a doctor. Have the MSDS with you when you call.

#### EYE

If in eyes, hold eyelids apart and flush the eye continuously with large amounts of water for at least 15 minutes. If symptoms develop, or if in doubt contact a Poisons Information Centre 131126 or a doctor.

#### SKIN

If skin or hair contact occurs, immediately remove contained clothing and wash skin and hair thoroughly. If symptoms develop, or if in doubt contact a Poisons Information Centre 131126 or a doctor.

#### INHALED

No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful



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or persists more than about 30 minutes, seek medical advice. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop, or if in doubt contact a Poisons Information Centre 131126 or a doctor. Be aware symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

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### Section 5 - FIRE FIGHTING MEASURES

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#### EXTINGUISHING MEDIA

Suitable extinguishing media are carbon dioxide, foam, dry chemical and water.

#### FIRE FIGHTING

If a significant quantity of this product is involved in a fire, call the fire brigade.

#### FIRE/EXPLOSION HAZARD

Non-flammable, but if involved in a fire, the dehydrated components may emit oxides of carbon, oxides of nitrogen and possibly oxides of phosphorus. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures

#### FIRE INCOMPATIBILITY

NIL

#### HAZCHEM: None

#### Personal Protective Equipment

Wear safe work Australia approved self-contained breathing apparatus and full protective clothing.

#### Other Information

Stop fire water from entering drains or water bodies

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### Section 6 - ACCIDENTAL RELEASE MEASURES

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#### Spills

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. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable



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product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal.

Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

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### Section 7 - HANDLING AND STORAGE

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#### Handling

Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation.

#### Storage

Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

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### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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#### Exposure

The TWA set for the propyzamide active is 2 mg/m<sup>3</sup>.

#### Respiratory Protection

Respiratory protection is not usually necessary. Avoid working in and breathing spray mist. If in doubt use a Safe Work Australia approved full face supplied air respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information. Type AX-P Filter of sufficient capacity

#### Eye Protection

Not usually required, but if in doubt use protective glasses or goggles and face shield.

#### Skin Protection

The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.



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### Hygienic Practices

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.

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### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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**Physical Description & colour:** White liquid.  
**Odour:** Weak characteristic odour  
**Boiling Point:** N/A  
**Freezing/Melting Point:** No specific data.  
**Volatiles:** No specific data. Expected to be low at 100°C.  
**Vapour Pressure:** No data.  
**Vapour Density:** No data.  
**Specific Gravity:** 1.020  
**Water Solubility:** forms a suspension.  
**pH:** 5 to 8  
**Volatility:** No data.  
**Odour Threshold:** No data.  
**Evaporation Rate:** No data.  
**Coeff Oil/water Distribution:** no data  
**Autoignition temp:** 428 deg C of propyzamide

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### Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

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<b>Chemical Stability</b>	Stable under normal conditions of use. May be unstable in conditions.
<b>Incompatible Materials</b>	Strong acids, strong bases and strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Oxides of carbon and nitrogen and hydrogen chloride.
<b>Hazardous Polymerization Conditions to Avoid</b>	Will not occur. Excessive heat.

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### Section 11 - TOXICOLOGICAL INFORMATION

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#### POTENTIAL HEALTH EFFECTS

##### ACUTE HEALTH EFFECTS

■ Irritating to eyes and respiratory system.

##### CHRONIC HEALTH EFFECTS

■ Limited evidence of a carcinogenic effect.



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- Ingestion may produce health damage\*.
  - May produce skin discomfort\*.
  - \* (limited evidence).
  - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
  - May affect fertility\*.
  - May be harmful to the foetus/ embryo\*.
  - Cumulative effects may result following exposure\*.
  - \* (limited evidence).

### TOXICITY AND IRRITATION

■ Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.

for propyzamide (pronamide):

- Toxicity: Pronamide is practically nontoxic via ingestion. The reported oral LD50 values for pronamide range from 5620 mg/kg in female rats to 8350 mg/kg in male rats, respectively, and 10,000 mg/kg in dogs . Pronamide is slightly toxic by skin exposure, with a dermal LD50 of greater than 3160 mg/kg . When applied to the skin of rabbits, it produced slight local irritation, but no systemic intoxication. The 4-hour inhalation LC50 for pronamide is greater than 5.0 mg/L, indicating slight toxicity by this route .

- Chronic toxicity: When dogs were fed a diet containing pronamide for 3 months, decreases in weight gain and food consumption, changes in blood chemistry, and increased liver weights were observed at doses of 15 mg/kg/day . In a study in rats over 3 months, similar effects were seen at doses of over 10 mg/kg/day , and changes in thyroid, adrenal, and pituitary function were observed at 50 mg/kg/day . In a 2-year feeding study in dogs, the addition of pronamide to the diet at doses of 0.75, 2.5, or 7.5 mg/kg/day caused no adverse health effects at any of the doses tested .

### PROPYZAMIDE:

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

### TOXICITY

Inhalation (rat) LC50: >5.0 mg/l \*  
Oral (dog) LD50: >10000 mg/kg \*  
Dermal (rabbit) LD50: >3160 mg/kg  
Oral (duck) LD50: >14000 mg/kg  
Oral (Rat,) adult female: LD50 5620 mg/kg \*  
Oral (Rat,) adult male: LD50 8350 mg/kg \*

### IRRITATION

Skin: slight  
Eye: slight

■ for propyzamide (pronamide):

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[ \* The Pesticides Manual, Incorporating The Agrochemicals Handbook, 10th Edition, Editor Clive Tomlin, 1994, British Crop Protection Council].

NOEL: (chronic studies) dogs 300, rats 200, mice 13 mg/kg diet \*

ADI 0.08 mg/kg \*

Toxicity Class WHO Table 5; EPA IV \*

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### Section 12 - ECOLOGICAL INFORMATION

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Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Avoid release to the environment.

Refer to special instructions/ safety data sheets.

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems

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### Section 13 - DISPOSAL CONSIDERATIONS

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**Disposal methods and containers**

Instructions concerning the disposal of this product and its containers are given on the product label. 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

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### Section 14 - TRANSPORTATION INFORMATION

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**Storage and Transport:** Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.



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### Section 15 - REGULATORY INFORMATION

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PROPYZAMIDE is listed in the Australian Inventory of Chemical Substances (AICS).

APVMA No:62131

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### Section 16 - OTHER INFORMATION

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**This MSDS 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 (7th edition)

**AICS** Australian Inventory of Chemical Substances

**SWA** Safe Work Australia, formerly ASCC and NOHSC

**CAS number** Chemical Abstracts Service Registry Number

**IARC** International Agency for Research on Cancer

**NTP** National Toxicology Program (USA)

**SUSDP** Standard for the Uniform Scheduling of Drugs & Poisons

**UN Number** United Nations Number

This MSDS summarises our best knowledge of the health and safety hazard information on 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 4Farmers Pty Ltd, or in the event of an emergency, 000, or Poisons Information Centre 131126. 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

Contact point: Normal business hours – (08 9356 3445)

This is the end of the MSDS.