

# Safety data sheet



Sundew Safety data sheet

Version: 1.0

Date / Revised: 15.01.13

Product: SAS PRO Professional Granule Ant Killer

## 1. SUBSTANCE / PREPARATION AND COMPANY IDENTIFICATION

**Product name:** SAS PRO® Professional Granule Ant Killer  
**Other names:** None  
**Product code:** SUN101  
**Chemical group:** Phenylpyrazole  
**Recommended use:** Spreadable silica granule for exterior control of ants  
**Formulation:** Graded Silica Carrier Granule  
**Supplier:** Sundew Solutions Pty Ltd ABN 37 135 400 261

**Address:** Sundew Solutions – Unit 11, 4 Dunlop Court, Bayswater VIC 3153, Australia  
**Telephone:** Sundew 1800 786 339  
**Facsimile:** Sundew (03) 9729 7223  
**Website:** [www.sundewsolutions.com.au](http://www.sundewsolutions.com.au)  
**Contact:** Sundew Technical Manager 1800 786 339

**Poisons Information Centre:** Telephone 13 11 26

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous  
NON-HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australian Dangerous Goods Code.

**Risk Phrase(s):** Not classified as hazardous

**Other Information:** Non scheduled poison.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation:** Solid

Ingredients:	CAS	Proportion
Quartz	14808-60-7	99.5%
Fipronil	120068-37-3	0.25%
Balance - ingredients of proprietary nature	Proprietary	to 100%

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#### 4. FIRST AID MEASURES

<b>Inhalation</b>	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
<b>Ingestion</b>	If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient. The fipronil component in the product is at very low concentration, thus acute health effects are unlikely to occur other than by massive exposure.
<b>Skin</b>	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water.
<b>Eye</b>	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice immediately.
<b>First Aid Facilities</b>	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
<b>Advice to Doctor</b>	Fipronil is a reversible gamma-aminobutyric (GABA) receptor inhibitor. During intoxication it will induce neurological stimulation with possible convulsions. Treat symptoms. No specific antidote known. Phenobarbital, and to a lesser extent, benzodiazepines, have been shown experimentally to be effective in preventing convulsions induced by fipronil. Due to slow absorption of fipronil through the gut, symptoms of intoxication may be delayed several hours to one day. Absorption may be decreased by the use of gastric lavage, saline purgative and activated charcoal (possible enterohepatic recirculation). Continue monitoring - due to slow elimination of the compound.

#### 5. FIRE FIGHTING MEASURES

<b>Specific Dangers</b>	None known.
<b>Flamability</b>	Not flammable.
<b>Extinguisher Type</b>	Carbon dioxide, foam, dry chemical.
<b>Hazchem code</b>	None allocated.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Spills &amp; Disposal</b>	Recover the product by sweeping up or vacuuming without raising dust. Collect spilled material and waste in sealable open-top type containers for disposal.
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#### 7. HANDLING AND STORAGE

<b>Conditions for Safe Storage</b>	Store in the closed, original container in a cool, well ventilated area out of direct sunlight.
<b>Other Information</b>	Always read the label and any attached leaflet before use.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Standards – Australia

Exposure Standards have been set for the following ingredient

Ingredient	CAS No.	TWA		STEL		Carcinogen Category	Notes
		ppm	mg/m	ppm	mg/m		
Quartz	14808-60-7	-	0.1	-	-	-	-

TWA = Time Weighted Average  
STEL = Short Term Exposure Limit

### Engineering Controls

Use in a well ventilated area only.

### Personal Protective Equipment

It is good practice to wear suitable personal protective equipment (PPE). When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.

### Hygiene Measures

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

### Requirements Concerning Special Training

After each day's use, wash contaminated clothing and safety equipment.  
Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Granules
<b>Colour</b>	Tan to light brown
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not applicable
<b>Vapour Pressure</b>	Negligible
<b>Bulk Density</b>	1.40 – 1.60 g/mL
<b>Flashpoint</b>	Not flammable
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	Not available

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## 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions.  
**Dangerous Reactions** None known.

## 11. TOXICOLOGICAL INFORMATION

**Inhalation** Inhalation of dust of this very dilute material is unlikely to result in any toxic effects attributable to fipronil.

**Ingestion** Possible symptoms of exposure include: headache, nausea, dizziness and weakness. Ingestion of large quantities of the concentrate may result in convulsions.

**Skin** Not a skin irritant and not harmful by dermal exposure.

**Eye** May irritate the eyes.

**Reproductive Toxicity** Data indicates no reproductive effects.

**Mutagenicity** Data indicates no mutagenic effects.

**Carcinogenicity** Data indicates no carcinogenic effects.

**Acute Toxicity - Oral** LD50 (rat) >5000 mg/kg for the formulated product.

**Acute Toxicity – Dermal** LD50 (rat) >2000 mg/kg for the formulated product.

**Eye Irritation** Mild eye irritant. May cause mechanical irritation to eyes.

**Skin Sensitisation** Product is not a skin sensitiser.

**Other Information** The Australian Acceptable Daily Intake (ADI) for fipronil for a human is 0.0002 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.02 mg/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 and Ageing Office of Chemical Safety, 'ADI List', December 2008).

## 12. ECOLOGICAL INFORMATION

**Other Precautions** Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.  
Do not allow any birds or animals to feed on treated turf.

**Acute Toxicity - Fish** The following is data for the active ingredient, fipronil.  
LC50 (96hr) for rainbow trout is 0.248 mg/l.  
LC50 (96hr) for european carp is 0.430 mg/l.  
LC50 (96hr) for bluegill sunfish is 0.085 mg/l.

**Acute Toxicity – Daphnia** LC50 (48hr) for daphnia is 0.19 mg/l for fipronil.

**Acute Toxicity – Other Organisms** The following data is for the active ingredient, fipronil.  
LD50 for mallard duck is 5000 mg/kg  
LD50 for bobwhite quail is 48 mg/kg  
Highly toxic to bees both by direct contact or by ingestion.

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### 13. DISPOSAL CONSIDERATIONS

- Product Disposal** On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).
- Container Disposal** Do not use this container for any other purpose. Shake the last amount of product from the container into the dusting container.  
Do not dispose of undiluted chemicals on site. Puncture or shred and bury empty containers in a local authority landfill.  
If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.  
For small containers: dispose of empty container by wrapping in paper, placing in a plastic bag, and putting in the garbage.  
Empty containers and product should not be burnt.

### 14. TRANSPORT INFORMATION

- Storage and Transport** Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

### 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

Australian Pesticides and Veterinary Medicines Authority Approval Number: 67629/56502

### 16. OTHER INFORMATION

**Trademark information:** SAS PRO® is a Registered Trademark of Sundew Solutions Pty Ltd.

**Preparation information:** NIL.

**Data sources:** Sundew Solutions Pty Ltd product safety data and published data

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 Sundew Solutions.

END OF MSDS