

Safety data sheet



Sundew Safety data sheet

Version: 2.0

Date / Revised: 23.10.13

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
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	0.025%
Balance - ingredients of proprietary nature	Proprietary	to 100%

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4. FIRST AID MEASURES

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
Ingestion	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.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water.
Eye	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice immediately.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor	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

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

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	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

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

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

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

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.
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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