SAFETY DATA SHEET

According to Safe Work Australia

Printing Date 20.07.2021 Revision: 20.07.2021

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: SAS PRO® PROFESSIONAL GRANULE ANT KILLER

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:
Spreadable silica granule for exterior control of ants

Details of Manufacturer or Importer:
Sundew Solutions Pty Ltd
Unit 11, 4 Dunlop Court
Bayswater VIC 3153

Phone Number: 1800 786 339

Emergency telephone number: 1800 786 339

2 . HAZARDS IDENTIFICATION

Hazardous Nature:
Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Signal Word Void

Hazard Statements
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
14808-60-7	Quartz (SiO2)	99.5%
120068-37-3	Fipronil (ISO) Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 3, H311; Acute Toxicity (Inhalation) 3, H331; STOT RE 1, H372; Aquatic Acute 1, H400; Aquatic Chroni 1, H410	0.025%

4 . FIRST AID MEASURES

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. Do not give mouth-to-mouth if substance has been inhaled or ingested. Instead, use a pocket mask or proper respiratory device. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap for at least 20 minutes. Seek medical attention if symptoms occur.

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Eye Contact:
In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Eye Contact: May cause eye irritation.
Ingestion: May be harmful if swallowed. Symptoms include headache, nausea, dizziness and weakness. Ingestion of large quantities of the concentrate may result in convulsions.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray or fog, foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include toxic fumes.
Product is not flammable, but may form explosive dust clouds in some situations.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and cover with a plastic sheet to prevent spreading. Sweep and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.
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.

Conditions for Safe Storage:
Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Recommended storage temperature is 0 °C - 30 °C. Keep away from strong acids and bases.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	
14808-60-7 Quartz (SiO2)	
WES	TWA: 0.1 mg/m³ respirable dust

Engineering Controls: Ensure adequate ventilation of the working area.

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Respiratory Protection:
Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Impervious nitrile rubber or PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Form:	Granules
Colour:	Tan to light brown
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	Not applicable.
Melting point/Melting range:	Not determined
Initial Boiling Point/Boiling Range:	Not determined
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable
Density:	1.4-1.6 g/cm³
Vapour Density:	No information available
Evaporation Rate:	Not determined
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	Not determined.
Viscosity:	Not applicable

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: No further relevant information available.

Incompatible Materials: Strong acids and bases.

Hazardous Decomposition Products: May emit toxic fumes.

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11 . TOXICOLOGICAL INFORMATION

Toxicity:
LD_{50}/LC_{50} Values Relevant for Classification: No information available

Acute Health Effects
Inhalation: Not expected to be a hazard.
Skin: Not expected to be a hazard.
Eye: May cause eye irritation.
Ingestion:
May be harmful if swallowed. Symptoms include headache, nausea, dizziness and weakness. Ingestion of large quantities of the concentrate may result in convulsions.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met. **Serious**

Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:
Silica dust, crystalline, in the form of quartz or cristobalite is calssified by IARC as Group 1 - Carcinogenic to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:
The prolonged and repeated exposure (by inhalation) to respirable (crystalline) silica cause silicosis, a debilitating lung disease. The crystalline silica dust is practically insoluble in body fluids and can be deposited in lungs. Cigarette smoking can reduce the clearance of crystalline silica. The data indicate that the relative lung cancer risk is increased for people with silicosis.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological 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', March 2016).

12 . ECOLOGICAL INFORMATION

Ecotoxicity: Fipronil is highly toxic to honey bees and non-toxic to earthworms.

Aquatic toxicity:
Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

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Other adverse effects: No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: 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.

14 . TRANSPORT INFORMATION

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:	
14808-60-7	Quartz (SiO2)
120068-37-3	Fipronil (ISO)

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 20.07.2021

Prepared by:

Abbreviations and acronyms:
ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC_{50}: Lethal concentration, 50 percent
LD_{50}: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Acute Toxicity (Oral) 3: Acute toxicity – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1
Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer
This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011”
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