

## Safety Data Sheet: KAS™ Professional Ant Sand Granule

### 1. IDENTIFICATION

**Product Name:** KAS™ Professional Ant Sand Granule  
**Other Names:** none  
**Recommended Use:** Insecticide  
**Distributor:** Key Industries Ltd  
**Address:** P.O. Box 65070, Mairangi Bay, Auckland 0754  
**Telephone:** 09 917 1791  
**Emergency Phone:** 0800 CHEMCALL (0800 243 622) 24 hours  
**National Poisons Centre:** 0800 POISON (0800 764 766)

### 2. HAZARDS IDENTIFICATION

Hazardous substance according to the **HSNO Act 1996 Hazardous Substances (Hazard Classification) Notice 2020**.

**Approval:** HSR100863  
**Hazard Classifications:** Hazardous to terrestrial invertebrates,  
Hazardous to the aquatic environment chronic Category 3.

**Pictograms:**



**Signal word:** -  
**Hazard statements:** Harmful to aquatic life with long lasting effects.  
Toxic to terrestrial invertebrates.  
**Precautionary statements:**  
**Prevention:** Read label before use.  
Avoid release to the environment.  
**Response:** Collect spillage.  
**Storage:** -  
**Disposal:** Dispose of product and container in accordance with local regulations.

#### Other information:

*Hazardous Substance (Labelling) Notice 2020*

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Do not apply directly into or onto water.

*NZS5433 Transportation of Dangerous Goods on Land*

Not classified as DG Class for transport.

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### 3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Fipronil	120068-37-3	0.25
Quartz *	14808-60-7	99.5
Other ingredients	Proprietary	Balance

\*also referred to as crystalline silica.

### 4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning. Have product label or Safety Data Sheet at hand.

**INGESTION:** Rinse mouth. Drink plenty of water. Get medical advice.

If vomiting occurs spontaneously, keep head below hips to prevent vomit entering lungs.

**SKIN CONTACT:** Wash affected area with soap and water. If irritation develops, obtain medical advice.

**EYE CONTACT:** Flush with running water for at least 15 minutes. Remove contact lenses if present, and easy to do after 5 minutes before continuing rinsing. If irritation persists, obtain medical assistance.

**INHALATION:** Unlikely exposure route. Remove patient to fresh air and keep at rest until recovered. Get medical advice if person feels unwell.

#### First Aid facilities:

Provide eye baths and safety showers close to work areas.

#### 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

**Flashpoint:** Non-flammable.

**Suitable extinguishing media:** Water fog, fine water spray, carbon dioxide, dry chemical, foam as appropriate to surrounding materials.

**Hazards from combustion products:** Generates toxic compounds.

**Precautions for fire fighters and special protective equipment:** Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.

**Hazchem Code:** 2Z

### 6. ACCIDENTAL RELEASE MEASURES:

#### Personal Precautions:

EMERGENCY PHONE: 0800 CHEMCALL (0800 243 622) 24 hours

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Date of Revision: May, 2027

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Read label before use. Do not eat, drink or smoke when using product. Wear appropriate personal protection equipment to prevent exposure skin and eyes.

### Environmental Precautions:

Contain spillage and prevent from entering drains, sewer or any water course. In event of large spillage contaminating a water-course, notify the Police, local Health Protection Officer and Council.

### Methods and materials for containment

Sweep or shovel solid material into containers that can be sealed for reuse of product or disposal to approved landfill.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling:

Read label before use. Wear impervious gloves and recommended to wear long-sleeved clothing/trousers to avoid skin contact. Do not contaminate water, feed, or food by storage, handling, or disposal of product.

### Conditions for Safe Storage:

Keep out of reach of children. Store in a cool, dry place away from direct sunlight and in well-ventilated area. Do not store with oxidizers or near heat sources. Store away from animal and human foodstuffs.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Health Exposure Standards:** Workplace Exposure Standards (WES), have been set by Worksafe for an ingredient in this substance.

Silica (crystalline) WES-TWA is 0.05 mg/m<sup>3</sup> (respirable).

**Biological limit values:** None established

### Engineering Controls:

**Ventilation:** Use outdoors or in a well-ventilated area.

### Personal Protective Equipment:

**Respiratory Protection:** Respiratory protection is not usually required for normal use conditions. If used in confined space, an approved respirator or disposable face mask according to local standards, must be worn.

**Eye Protection:** Wear safety glasses.

**Skin/ Body Protection:** Wear impervious gloves (rubber, neoprene, nitrile or equivalent), and os recommended to cover arms and legs with protective clothing, e.g. overalls.

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance  
Odour

Tan to light brown granules  
Not specified

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Odour threshold	Not determined
pH	Not determined
Melting/Freezing point °C	Not determined
Boiling Point/Range °C	Not determined
Flash Point °C	Not applicable
Flammability (solid, gas)	Non-flammable
Upper/lower flammability/explosive limits	Not known
Vapour Pressure mm Hg @ 20°C	Not determined
Vapour Density Pa @ 25°C	Not applicable
Relative density	1.40 – 1.60 g/cc
Solubilities	Insoluble
Partition coefficient: n-octanol/water	Not determined
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	Not applicable
Particle characteristics	Not available

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions.

**Conditions to avoid:** Sources of heat, contact with oxidizers.

**Hazardous decomposition products:** Combustion will release unspecified toxic compounds.

**Hazardous reactions:** Will not occur.

### 11. TOXICOLOGICAL INFORMATION

Toxicity classifications determined by assessment of the components in the formulated mixture.

**Acute toxicity:** Not classified as acutely hazardous by ingestion, skin contact or by inhalation.

**Aspiration hazard:** Not classified.

**Respiratory irritation:** Not classified.

**Skin corrosion/irritation:** Not classified.

**Serious eye damage/irritation:** The solid nature of this product may result in mechanical irritation.

**Respiratory or skin sensitization:** Not classified.

**Germ cell mutagenicity:** Not classified.

**Carcinogenicity:** Product is not classified. The US EPA has identified fipronil as possible human carcinogen.

**Reproductive toxicity:** Not classified.

**Specific organ toxicity:** Product is not classified. However, fipronil is a toxicant to thyroid, kidney and liver.

**Narcotic effects:** Not classified.

**Toxicological Information:**

Fipronil    Oral, rat, LD<sub>50</sub> 92 mg/kg  
              Dermal, rat, LD<sub>50</sub> 354 mg/kg  
              Inhalation, rat, LC<sub>50</sub> 0.36 mg/L

### 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:** This product is harmful to aquatic life with long lasting effects and hazardous to terrestrial invertebrates. KAS Key Ant Sand Professional Granule Ant Killer must not be applied on non-porous surfaces if they are close to a waterbody.

**Persistence and degradability:** Not specific information on product is available. Fipronil is persistent, typical DT<sub>50</sub> 142 days

**Potential to be bioaccumulative:** No specific information available in product. Fipronil is bioaccumulative.

**Mobility in soil:** Fipronil has low solubility in water (3.78 mg/L).

**Other adverse effects:** No information available.

### Ecotoxicological Information:

Fipronil	Fish:	Rainbow trout, LC <sub>50</sub> (96 hr), 0.248 mg/L
		European carp, LC <sub>50</sub> (96 hr), 0.430 mg/L
		Bluegill sunfish, LC <sub>50</sub> (96 hr), 0.085 mg/L
	Crustacea:	<i>D.magna</i> LC <sub>50</sub> (48 hr), 0.19 mg/L
	Algae:	<i>Scenedemus subspicatus</i> EC <sub>50</sub> (72 hr) growth 0.068 mg/L
	Birds:	Mallard duck, LD <sub>50</sub> 5000 mg/kg bw
		Bobwhite quail, LD <sub>50</sub> 48 mg/kg bw
	Bee:	<i>Apis mellifera</i> LD <sub>50</sub> (contact) 0.0059 µg/bee
		<i>Apis mellifera</i> LD <sub>50</sub> (oral) 0.00417 µg/bee

**Environmental Exposure Limits (EEL's):** Not set.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Methods:** Waste should be disposed of to an approved waste disposal facility or by burying at an approved site. Do not burn product or containers.

Ensure disposal of containers and product is in compliance with requirements of national and local authorities.

## 14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.		UN No.		UN No.	
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			

**Marine Pollutant:** -

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### Dangerous Goods Segregation

This product is not classified as a Dangerous Good Class for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

### 15. REGULATORY INFORMATION

#### HSNO Act 1996

**Approval Code:** HSR100863; KAS Key Ant Sand Professional Granule Ant Killer

**Classifications:** Hazardous to terrestrial invertebrates, Hazardous to the aquatic environment chronic Category 3.

**Controls:** Refer to [www.epa.govt.nz](http://www.epa.govt.nz) for information on Controls and [www.worksafe.govt.nz](http://www.worksafe.govt.nz) for further information on compliance.

**Additional specific control:** KAS Key Ant Sand Professional Granule Ant Killer must not be applied on non-porous surfaces if they are close to a waterbody.

#### **Additional label statement requirements:**

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Do not apply directly into or onto water.

#### ACVM Act 1997

**Registration Number:** Exempt

Refer to [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for Conditions of Registration.

### 16. OTHER INFORMATION

**Date of issue:** 27<sup>th</sup> May 2022

**Reasons for Issue:** Update 24hour Emergency telephone number, review and update SDS content.

**Replaces:** SDS dated 14<sup>th</sup> November, 2017.

#### **Abbreviations:**

ACVM	Agricultural Compounds and Veterinary Medicines
ECHA	European Chemical Agency
EPA	New Zealand Environmental Protection Authority
GHS	Global Harmonised System
HSIS	Hazardous Substance Information System
HSNO	Hazardous Substances and New Organisms
NZIoC	New Zealand Inventory of Chemicals
STEL	Short Term Exposure Limit (15 minute exposure period)
TWA	Time-Weighted Average (8 hours exposure period)
WES	Workplace Exposure Standard

#### **References:**

EPA [www.epa.govt.nz](http://www.epa.govt.nz)

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PPDS Pesticides Properties Database; [www.herts.ac.uk](http://www.herts.ac.uk)

Worksafe NZ [www.worksafe.govt.nz](http://www.worksafe.govt.nz)

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The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.