

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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#### 1.1 Product identifier

**Product name** DAVID GRAYS ANTEX COMMERCIAL INSECTICIDE GRANULES  
**Synonym(s)** 66515 - MANUFACTURER CODES • ANTEX (BIFENTHRIN)

#### 1.2 Uses and uses advised against

**Use(s)** Insecticide, control of outdoor ants.

#### 1.3 Details of the supplier of the product

**Supplier name** DAVID GRAY & CO PTY LIMITED  
**Address** 2 Rawlinson St, O'Connor, WA, 6961, AUSTRALIA  
**Telephone** (08) 9337 4933  
**Email** [general@davidgray.com.au](mailto:general@davidgray.com.au)  
**Website** <http://www.davidgray.com.au>

#### 1.4 Emergency telephone number(s)

**Emergency** (08) 9337 4933 (B/H)

### 2. HAZARDS IDENTIFICATION

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NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**GHS classification(s)** Aquatic Toxicity (Chronic): Category 1

#### 2.1 Label elements

**Signal word** WARNING

**Pictogram(s)**



**Hazard statement(s)** Very toxic to aquatic life with long lasting effects.  
H410

**Prevention statement(s)**  
P273 Avoid release to the environment.

**Response statement(s)**  
P391 Collect spillage.

**Storage statement(s)**  
None allocated.

**Disposal statement(s)**  
P501 Dispose of contents/container in accordance with relevant regulation.

#### **Other Hazards:**

No information provided.

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### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

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#### 3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Content
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	238-878-4	>60%
SILICA, AMORPHOUS - PRECIPITATED AND GEL	112926-00-8	231-545-4	<10%
BIFENTHRIN	82657-04-3	617-373-6	0.2%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	Remainder

### 4. FIRST AID MEASURES

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#### 4.1 Description of first aid measures

**Eye:** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes

**Inhalation:** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor

**Ingestion:** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Rinse mouth out with water and give plenty of water to drink.

**First aid facilities:** Eye wash facilities should be available.

#### 4.2 Most important symptoms and effects, both acute and delayed.

See Section 11 for more detailed information on health effects and symptoms.

#### 4.3 Immediate medical attention and special treatment needed.

Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

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#### 5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

#### 5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases if strongly heated. May evolve carbon oxides, silicon oxides, hydrogen chloride and hydrogen fluoride gas when heated to decomposition.

#### 5.3 Advice for firefighters

Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

#### 5.4 Hazchem code

2Z

2 Fine Water Spray.

Z Wear full fire kit and breathing apparatus. Contain spill and run-off

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### 6 ACCIDENTAL RELEASE MEASURES

• **6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

**6.2 Environmental precautions**

Prevent product from entering drains and waterways.

**6.3 Methods of cleaning up**

Moisten with water to prevent a dust hazard and place in sealable containers for disposal.

**6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal

### 7 HANDLING AND STORAGE

**7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Ob□

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs.

**7.3 Specific end use(s)**

No information provided.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1: Control parameters**

**Exposure standards**

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Precipitated silica	SWA (AUS)	--	10	--	--
Quartz (respirable dust)	SWA (AUS)	--	0.1	--	--
Silica gel (a)	SWA (AUS)	--	10	--	--
Silica gel (respirable dust)	SWA (AUS)	--	2	--	--

**Biological limits**

No biological limit values have been entered for this product.

**8.2 Exposure Controls**

Engineering controls: Avoid inhalation. Use in well-ventilated areas. Maintain dust levels below the recommended exposure standard.

**8.3 PPE**

Eye / Face: Wear dust-proof goggles

Hands: Wear PVC or rubber gloves

Body: When using large quantities or where heavy contamination is likely, wear coveralls.

Respiratory: Where an inhalation risk exists, wear a Class P1 (Particulate) respirator.



## **9 PHYSICAL AND CHEMICAL PROPERTIES**

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### **9.1 Information on basic physical and chemical properties**

Appearance	CREAMY BROWN GRANULES
Odour	CHARACTERISTIC
Flammability	NON FLAMMABLE
Flash point	None
Boiling point	NOT RELEVANT
Melting point	NOT RELEVANT
Evaporation rate	NOT RELEVANT
pH	NOT RELEVANT
Vapour density	NOT RELEVANT.
Specific gravity	NOT RELEVANT
Solubility (water)	INSOLUBLE
Vapour pressure	NOT RELEVANT
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Partition coefficient	NOT AVAILABLE

### **9.1 Information on basic physical and chemical properties**

Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

## **10 STABILITY AND REACTIVITY**

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### **10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

### **10.2 Chemical stability**

Stable under recommended conditions of storage.

### **10.3 Possibility of hazardous reactions**

Polymerization is not expected to occur.

### **10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

### **10.5 Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid) and alkalis (e.g. sodium hydroxide).

### **10.6 Hazardous decomposition products**

May evolve carbon oxides, silicon oxides, hydrogen chloride and hydrogen fluoride gas when heated to decomposition.

## **11 TOXICOLOGICAL INFORMATION**

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### **11.1 Information on toxicological effects**

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**Acute Toxicity:** This product is expected to be of low acute toxicity. Under normal conditions of use, adverse effects are not anticipated.

### Information available for the ingredient(s):

Ingredient	Oral Toxicity (LD50)	Dermal Toxicity (LD50)	Inhalation Toxicity (LC50)
BIFENTHRIN	54.5 mg/kg (rat)	2 g/kg (rabbit)	4.9 mg/L/4 hours (rat)

<b>Skin</b>	Not classified as a skin irritant. Contact may result in mechanical irritation.
<b>Eye</b>	Not classified as an eye irritant. Contact may result in mechanical irritation.
<b>Sensitisation</b>	Not classified as causing skin or respiratory sensitisation.
<b>Mutagenicity</b>	No evidence of mutagenic effects.
<b>Carcinogenicity</b>	Not classified as a carcinogen. Crystalline silica is classified as carcinogenic to humans (IARC Group 1). However, adverse health effects are not anticipated given the non respirable nature of the silica quartz in this product (as supplied).
<b>Reproductive:</b>	No relevant or reliable studies identified.

**STOT – single exposure:** Not classified as causing organ damage from single exposure.

**STOT – repeated exposure:** This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product. However, if granules are pulverized or crushed into a fine, respirable powder, silica exposure via inhalation is probable. Repeated overexposure to crystalline silica for extended periods has caused acute silicosis.

**Aspiration** Spray mists may be irritating.

## 12 ECOLOGICAL INFORMATION

### **12.1 Toxicity**

Bifenthrin is very highly toxic to fish, crustaceans and aquatic animals. Bifenthrin is toxic to bees.  
Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout) - 0.15 µg/l - 96.0 h.

### **12.2 Persistence and degradability**

No information provided.

### **12.3 Bioaccumulative potential**

No information provided

### **12.4 Mobility in soil**

No information provided

### **12.5 Other adverse effects**

No information provided.

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### 13 DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Waste disposal** For small amounts, cover with moist sand or similar, collect and dispose of to an approved landfill site. Avoid generating dust. Contact the manufacturer/supplier for additional information (if required).

**Disposal of uncleaned packages** Do not reuse this container. Never place unused product down any indoor or outdoor drain. Dispose of container and unused contents in accordance with federal, state and local requirements

**Legislation** Dispose of in accordance with relevant local legislation.

### 14 TRANSPORT INFORMATION

CLASSIFIED AS DANGEROUS GOODS BY CRITERIA OF THE ADG CODE. \*\* SEE OTHER INFORMATION BELOW FOR SPECIAL PROVISION \*\*



	LAND TRANSPORT (ADG) **SEE OTHER INFORMATION BELOW **	SEA TRANSPORT (IMDG / IM)	AIR TRANSPORT (IATA / ICAO)
<b>14.1 UN Number</b>	3077	3077	3077
<b>14.2 Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>14.3 Transport hazard class</b>	9	9	9
<b>14.4 Packing</b>	III	III	III

#### 14.5 Environmental hazards

Marine Pollutant

#### 14.6 Special precautions for user

Hazchem code: 2Z

GTEPG: 9C1

EmS: F-A, S-F

**OTHER INFORMATION:** The environmentally hazardous substance mark is not required when transported in packages less than 500 kg/L by Australian Road and Rail. (UN Model Regulations: Special Provision 375; IATA: Special Provision A197; IMDG: Special Provision 969)

### 15 REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

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<b>APVMA Number(s)</b>	65361
<b>Classifications</b>	<p>Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.</p> <p>The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].</p>
<b>Inventory listing(s)</b>	<b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b> All components are listed on AICS or are exempt.

## 16 OTHER INFORMATION

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### Additional information

**RESPIRATORS:** In general, the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**SYNERGISM - ANTAGONISM:** Ingredients in this product may act together to aggravate or reduce adverse effects. Accordingly, the time weighted average concentration (TWA) provided for single ingredients should be considered as a guide only and all due care exercised when handling.

### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

This Safety Data Sheet has been developed according to the Worksafe Australia Codes of Practice.

Hazard and precautionary statements according to classification under GHS (Globally Harmonised System) of Classification and Labelling.

The information contained herein is given in good faith however and is considered to be accurate at the specified issue date. No warranty expressed or implied is made to the accuracy or completeness of the data and information contained herein. No person, other than an authorised representative of David Gray & Company Pty Ltd, has the authority to make any alterations to this SDS.

Contact David Gray & Co Pty Limited for further product information on (08) 9337 4933 during normal business hours.

[ End of SDS ]