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SAFETY DATA SHEET

IDENTIFICATION

PRODUCT NAME:	David Grays Bifenthrin Aqua Termiticide and Insecticide
OTHER NAME:	Not Applicable
MANUFACTURERS CODE:	23171, 23172, 23173
USE:	For the protection of structures from subterranean termite damage and for the control of termites and a range of other urban pests, as specified in the directions for use table.

HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia):

Classified as hazardous according to the criteria of Worksafe Australia.

Not Classified as a Dangerous Good according to the ADG code.

Globally Harmonised System (GHS) Classification:

Acute toxicity – Oral: Category 2

Hazardous to the Aquatic Environment – Acute Hazard: Category 1

Hazardous to the Aquatic Environment – Long term hazard: Category 4.

Signal Word: WARNING

Hazard Statements:

H302 – Harmful if swallowed

H400 – Very toxic to aquatic life

H413 – May cause long lasting harmful effects to aquatic life

H351 – Suspected of causing cancer

H372 – Causes damage to the nervous system through prolonged or repeated exposure

H317 – May cause an allergic skin reaction

H410 – Aquatic Chronic Hazard to Category 1

Precautionary statements:

Prevention:

P264 – Wash hands, arms and face thoroughly after handling

David Grays Bifenthrin Aqua Termiticide & Insecticide

P270 – Do not eat, drink or smoke when using this product

P273 – Avoid release to the environment

Response:

P301 + P312 – IF SWALLOWED: Call a Poison Centre or doctor.

P330 – Rinse mouth

P391 – Collect spillage

Disposal:

P501 – Dispose of contents/container in accordance with national regulations.

Pictogram:



INGREDIENTS

CHEMICAL NAME

CAS.NO.

PROPORTION

Bifenthrin

82657-04-3

100g/L

Propane-1,2-diol

57-55-6

1 – 10%

Other ingredients classified as non hazardous

To 100%

FIRST AID MEASURES

GENERAL:

In every case of suspected poisoning contact a doctor or a Poisons Information Centre immediately.

SWALLOWED:

Seek medical attention immediately. Do not induce vomiting. It is recommended to give a slurry of activated charcoal to absorb the product swallowed.

NOTE: Do not give fluids, tablets or induce vomiting if patient is unconscious or convulsing.

EYE:

Hold eyelids open and flush eyes with water for at least fifteen minutes. Seek medical attention.

SKIN:

Immediately remove contaminated clothing and wash skin thoroughly with soap and water for at least fifteen minutes. If symptoms of poisoning occur seek medical attention immediately.

INHALED:

Immediately remove patient to fresh air. If difficulty in breathing is experienced, give oxygen and artificial respiration if necessary.

FIRST AID FACILITIES:

Soap, water, Activated Charcoal.

ADVICE TO DOCTOR:

David Grays Bifenthrin Termiticide & Insecticide contains petroleum type solvents and the benefits of induced vomiting must be weighed against possibility of chemical pneumonia caused by petroleum like solvents.

FIRE FIGHTING MEASURES

SPECIFIC HAZARD: Product is not flammable

EXTINGUISHING MEDIA: Carbon Dioxide or Dry chemical

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide

FIRE FIGHTING PERSONAL PROTECTIVE EQUIPMENT: Wear positive pressure self-contained breathing apparatus. Chemical resistant boots, nitrile gloves and chemical resistant overalls. Do Not breathe or contact smoke, gasses or vapours generated.

HAZCHEM CODE: Not relevant

ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE: Spill or leak area should be isolated immediately. Immediately contact police or fire brigade. Keep all unauthorised persons away from the area. Contain spill if safe to do so. (See below)

CONTAINMENT AND CLEAN UP: Contain spill by using absorbent material ie (sand, earth or attupulgite). Cover any open drains with plastic, rubber etc. (See section handling and storage for PPE requirements) Prevent entry into water ways. Disposal of contaminated material must be done in accordance with State and/or Local regulations.

Small spills: If spilt indoors, wash contaminated surfaces with mild bleach solution (sodium hypochlorite).

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

When handling the product, preparing and using spray wear:

- chemical resistant overalls with hood, buttoned to the neck.
- elbow length PVC neoprene or nitrile gloves.
- goggles.
- half faced respirator with suitable filter for organic solvent vapours. Remove contaminated clothing immediately and wash thoroughly. Wash hands, face and arms immediately after use and before eating and drinking.

STORAGE:

Keep out of direct sunlight and provide adequate ventilation. Avoid contact with strong acids /caustics.

EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS:

Worksafe Occupational Exposure Standard (TWA – Time Weighted Average)

No data available

Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five day working week.

BIOLOGICAL LIMIT: Not relevant

ENGINEERING CONTROLS:

Use only in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT:

- chemical resistant overalls with hood, buttoned to the neck.
- elbow length PVC neoprene or nitrile gloves.
- goggles.
- half faced respirator with combined dust/toxic vapour cartridge. Remove contaminated clothing immediately and wash thoroughly. Wash hands, face and arms immediately after use and before eating and drinking.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White, opaque liquid.
ODOUR:	Slight odour
pH:	4.8 – 5.5
VAPOUR PRESSURE:	Not applicable
VAPOUR DENSITY:	Not applicable
SOLUBILITY IN WATER:	Product suspended in water.
SPECIFIC GRAVITY:	1.04
FLASH POINT:	Not application – Not flammable
FLAMMABILITY LIMITS:	Not applicable

IGNITION TEMPERATURE:	No data available
POISONS SCHEDULE:	Poison schedule 6
CORROSIVE HAZARD:	Non Corrosive, compatible with stainless steel, fibreglass, and polyethylene containers used in spray tanks and parts.

STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable at normal storage conditions
CONDITIONS TO AVOID:	Heat
INCOMPATIBLE MATERIALS:	No particular materials to avoid
HAZARDOUS DECOMPOSITION PRODUCTS:	When the product is heated to high temperatures, the active ingredient will decompose and emit toxic fumes.
HAZARDOUS REACTIONS:	No data available

TOXICOLOGICAL INFORMATION

GENERAL:

No adverse health effects are expected when the product is used in accordance with label directions. If mishandled (excessive exposure) may cause headaches and allergic reaction with skin contact.

ACUTE

SWALLOWED:

The acute oral toxicity is high. Oral LD50 (rat) 54.5mg/kg (Bifenthrin).

For product Oral LD50 (rat) 545mg/kg

EYE:

Moderate eye irritant.

SKIN:

The acute dermal toxicity is low, however repeated exposure may result in absorption of harmful amounts. Repeated skin contact may cause allergic reactions. Dermal LD50 (rabbit) >2000mg/kg (Bifenthrin).

For product LD50 >20000mg/kg.

INHALED:

The acute inhalation toxicity is moderate. Excessive exposure to spray may be harmful. Prolonged exposure to the spray may cause eye and respiratory irritation, dizziness and headaches.

Inhalation LD50 = no data available

CHRONIC:

Bifenthrin does not cause genetic change or accumulate in the body. Long term carcinogenicity studies of the active ingredient, bifenthrin, on rats and mice showed no increase in tumours.

ECOLOGICAL INFORMATION

ECOTOXICITY: Toxic to aquatic organisms

PERSISTENCE AND DEGRADABILITY: The half-life for Bifenthrin is 65 –125 days depending on soil type

MOBILITY: From Koc values bifenthrin is immobile in soil.

DISPOSAL CONSIDERATIONS

Disposal of contaminated material must be done in accordance with State and/or Local regulations. Do not allow chemical containers, spray or washing's to contaminate drains, sewers, streams, ponds or any waterways.

TRANSPORT INFORMATION

Product is not classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN NUMBER:	Not applicable
CORRECT SHIPPING NAME:	Not applicable
DANGEROUS GOODS CLASS:	Not applicable
SUB-CLASS:	Not applicable
PACKAGING GROUP:	Not applicable
SPECIAL PRECAUTIONS FOR USER:	Avoid extremes of heat
HAZCHEM CODE:	Not applicable

REGULATORY INFORMATION

This product is a schedule 6 poison (S6) by the Uniform Scheduling of Drug and Poisons established under the Therapeutic Goods Act (1989)

OTHER INFORMATION

CONTACT POINT

TITLE:	Technical Department
TELEPHONE NUMBER:	(08) 9337 4933

AUTHORISED: **Technical Manager**

DATE: **10th January 2017**

NOTICE:

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.