



DAVID GRAY & CO PTY LIMITED

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MATERIAL SAFETY DATA SHEET

IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

PRODUCT NAME: DAVID GRAYS Ready to use Rose & Garden Insecticide, Fungicide & Miticide Spray

OTHER NAME: RTU Rose spray
MANUFACTURERS CODE: None allocated
PROPER SHIPPING NAME (ADG Code): None allocated
UN NUMBER: None allocated
DANGEROUS GOODS CLASS: None allocated
SUBSIDIARY-RISK: None allocated
PACKING GROUP: None allocated
HAZCHEM CODE: None allocated
POISONS SCHEDULE: S5 Caution
USE: A ready to use liquid insecticide, fungicide and Miticide spray application

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE: transparent whitish liquid
MELTING POINT: Not applicable
BOILING POINT: > 100°C
VAPOUR PRESSURE: Same as water
DENSITY: 1.00
FLASH POINT: Not applicable
FLAMMABILITY LIMITS: Not applicable
SOLUBILITY IN WATER: Miscible
CORROSIVENESS: Slightly corrosive to mild steel (due to water content)
OTHER PROPERTIES: Not applicable

INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Bifenthrin	82657-04-3	0.0028%
Myclobutanil	88671-90-0	0.0074%
Ingredients determined to be non hazardous	-	To 100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia): None allocated

RISK PHRASES: None allocated

SAFETY PHRASES: None allocated

GENERAL:

No adverse health effects are expected when the product is used in accordance with label directions.

ACUTE

SWALLOWED:

The acute oral toxicity is Low; Acute oral LD₅₀ (rat) 632 mg/kg (Bifenthrin); Acute oral LD₅₀ (rat) 1870 mg/kg (Myclobutanil)

EYE:

Slight eye irritant.

SKIN:

The acute dermal toxicity is low. Repeated skin contact may cause allergic reactions.

INHALED:

Unlikely to be hazard.

CHRONIC:

No adverse health effects are expected when the product is used in accordance with label directions.

FIRST AID

GENERAL:

Contains Bifenthrin and may cause an allergic reaction
In every case of suspected poisoning contact a doctor or a Poisons Information Centre immediately.

SWALLOWED:

Seek medical attention

EYE:

Hold eyelids open and flood eye thoroughly with water for at least 15 minutes. See a doctor.

SKIN:

Wash off with soap and water. Remove and wash contaminated clothing. If full recovery does not occur seek medical attention

INHALED:

Remove patient to fresh air. If full recovery does not occur seek medical attention.

FIRST AID FACILITIES:

Eye wash, Soap and water

ADVICE TO DOCTOR:

Treat symptomatically.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:

Worksafe Occupational Exposure Standard (TWA – Time Weighted Average)
None 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.

ENGINEERING CONTROLS: Not applicable

PERSONAL PROTECTION: When using the product wear PVC gloves or rubber gloves, goggles or safety glasses and long sleeve shirt or overalls. Wash clothes, gloves and goggles or safety glasses after use. When using the product do not eat or drink. Wash hands prior to smoking, drinking or eating.

FLAMMABILITY: Not Flammable

SAFE HANDLING INFORMATION

STORAGE

Store in a safe place, out of the reach of children and out of direct sunlight.

TRANSPORT

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

SPILLAGE

Soak up spill with sand or other absorbent material. Sweep up and dispose of in garbage.

DISPOSAL

Destroy empty containers by breaking, crushing or puncturing them and placing in the bin. Do not burn empty containers or product. Do not allow chemical containers, spray or washings to contaminate drains, sewers, streams, ponds or any waterway.

FIRE/EXPLOSION HAZARD

Not a fire or explosion hazard

HAZARDOUS DECOMPOSITION PRODUCTS:

Not known to produce hazardous decomposition products

FIRE FIGHTING EQUIPMENT:

Water, foam, carbon dioxide, dry chemical powder.

OTHER INFORMATION

ECOTOXICITY DATA:

Bifenthrin is highly toxic to fish and aquatic organisms.

Acute Oral LC₅₀ 96 hours (Rainbow trout) 632 mg/kg (Bifenthrin)

Acute Oral LD₅₀ (Mallard duck) >2150 mg/kg (Bifenthrin)

Acute Oral LD₅₀ (Bob-white quail) 4450 mg/kg (Bifenthrin)

Acute Oral LD₅₀ (Rat) 1870 mg/kg (Myclobutanil)

Acute Dermal LD₅₀ (Rabbit) 5000 mg/kg (Myclobutanil)

Bifenthrin degrades at a moderate rate in soils (t 0.5 = 50 to 205 days), and more rapidly on the surface of bare soils (t 0.5 = 7 to 62 days). Bifenthrin is tightly bound in moist soils and has extremely low water solubility. Myclobutanil is degraded in soil. The half life is approximately 66 days in sandy loam. It has a half life in water of 15 – 25 days. Myclobutanil is tightly bound by soil and will not leach to any extent.

ENVIRONMENTAL FATE:

Bifenthrin is highly toxic to fish and aquatic arthropods, but has no effect on molluscs at its limit of water solubility. It is only slightly toxic to birds. Myclobutanil is toxic to fish and aquatic vertebrates but of very low toxicity to birds.

CONTACT POINT

TITLE: Technical Department

TELEPHONE NUMBER: (08) 9337 4933

AUTHORISED: Technical Department

DATE: 13.04.2010

NOTICE:

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

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 MSDS.

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