

SAFETY DATA SHEET

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

RICHGRO GARDEN PRODUCTS

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PRODUCT NAME

Richgro Ant Killer Gel

RECOMMENDED USE:

Insecticide for the control of sugar feeding ants in and around buildings

SECTION 2 - HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA

NOT CLASSIFIED AS A DANGEROUS GOOD.

SCHEDULED POISON S5.

PHYSICAL HAZARDS: Not Classified

HEALTH HAZARDS: Not Classified

ENVIRONMENTAL HAZARDS: Not Classified

Label elements

GHS Signal Word: None

HAZARD STATEMENT:

None

PREVENTION

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash hands thoroughly after handling.

RESPONSE

P363: Wash contaminated clothing before reuse.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

STORAGE

P402+P404: Store in a closed container, in a dry place.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS Number	Concentration
Thiamethoxam	153719-23-4	0.1g/L
Non-hazardous ingredients		balance

SECTION 4 - FIRST AID MEASURES

GENERAL INFORMATION: If in doubt, get medical attention promptly. Show this Safety Data Sheet to medical personnel. Product may be slightly irritating to the eyes and skin.

EYES: Hold eyelids open and rinse the eye continuously with a gentle stream of clean running water for at least fifteen minutes. Seek medical attention if irritation persists.

SKIN: Remove contaminated clothing and wash thoroughly with soap and water. Use water alone, if soap is unavailable. Apply a moisturising hand cream, if available. Seek medical attention if any soreness or inflammation of the skin persists or develops later. Launder affected clothing before re-use.

INGESTION: Rinse mouth out with water ensuring that mouth wash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting.

INHALATION: First aid is unlikely to be required as a result of exposure during any anticipated use. Product is a gel and does not generate significant vapour or mists.

Additional Information:

First Aid Facilities: Not required.

Advice to Doctor: Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Non-combustible gel. Extinguish fire using whatever is suitable for the primary cause of the fire.

HAZARDS FROM COMBUSTION PRODUCTS: This product may burn only if exposed to fire and heated sufficiently to evaporate the water content. May evolve toxic fumes if heated to decomposition or burned.

PROTECTIVE EQUIPMENT: Fire fighters should wear self-contained breathing apparatus. Keep containers as cool as possible by spraying with water from a protected position.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Avoid skin or eye contact. Wear neoprene or nitrile gloves if necessary to prevent skin contact. See Section 8.

SPILLS: Clean up with paper towels or rags and allow to dry out before disposing to general waste.

SECTION 7 - HANDLING AND STORAGE

SAFE HANDLING PRECAUTIONS: Avoid eye or skin contact. Wash hands thoroughly after use.

SAFE STORAGE PRECAUTIONS: Keep out of reach of children. No special storage precautions required but product life will be maximised if it is stored out of direct sunlight in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE STANDARDS: No exposure standard allocated to this product or any of its ingredients.

Exposure standards represent the airborne concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. The exposure standard can be of three forms; time-weighted average (TWA), peak, or short-term exposure limit (STEL).

BIOLOGICAL LIMIT VALUES: None allocated

ENGINEERING CONTROLS: Natural ventilation is adequate for all anticipated uses of this product. Local exhaust ventilation is not required for normal use.

PERSONAL PROTECTION: Requirements depend on working conditions, method of application and quantity of product in use. No special equipment is required for handling small quantities, but nitrile, neoprene, PVC or natural rubber gloves should be worn if there is any potential for skin contact.

Respiratory protection is unlikely to be required for normal use of this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical Description & colour: Gel

Odour: Very slight, musty odour

Boiling Point: Not available

Melting Point: Not available

Volatiles: Negligible

Vapour Pressure: Negligible (1.99×10^{-11} mm Hg Thiamethoxam)

Vapour Density:	>1
Specific Gravity:	1.26.
Water Solubility:	4.1 (Thiamethoxam)
pH:	6.6 (1% aqueous solution)
Volatility:	Negligible
Evaporation Rate:	Negligible.
Flash point:	Non-combustible
Upper Flammability Limit:	No data available
Lower Flammability Limit:	No data available

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use and storage

CONDITIONS TO AVOID: Do not place in exposed areas accessible to children or pets

INCOMPATIBLE MATERIALS: Avoid contact with oxidising agents

HAZARDOUS DECOMPOSITION PRODUCTS: May evolve toxic fumes if heated to decomposition or burned.

HAZARDOUS REACTIONS: None known.

POLYMERISATION: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

The insecticidal action is due to activation of nicotinic acetylcholine receptors. These insecticides are theoretically less toxic to mammals due to a lower affinity for vertebrate nicotinic receptors.

ACUTE - SWALLOWED: May be mildly irritating to mucous membranes.

ACUTE – EYE: May be mildly irritating.

ACUTE – SKIN: Thiamethoxam can be partially absorbed by skin contact and repeated or prolonged exposure might cause irritation

ACUTE – INHALED: No effects expected.

Thiamethoxam

Acute dermal toxicity LD50 Rat dermal >2000 mg/kg

Acute oral toxicity LD50 Rat oral 1563 mg/kg

CHRONIC HEALTH EFFECTS: Not listed as a carcinogen by Safe Work Australia, the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the National Institute for Occupational Safety and Health (NIOSH), or the Occupational Health and Safety Administration (OSHA).

Not mutagenic either in vitro or in vivo.

No additional data available.

SECTION 12 - ECOLOGICAL INFORMATION

The Henry's Law constant for thiamethoxam is estimated as 4.6×10^{-15} atm-cu m/mole (SRC) derived from its vapour pressure, 4.95×10^{-11} mm of mercury and water solubility, 4.1×10^{-3} mg/L. This Henry's Law constant indicates that thiamethoxam is expected to be essentially non-volatile from water and soil surfaces. Thiamethoxam is not expected to volatilize from dry soil surfaces based upon its vapour pressure

BIODEGRADABILITY: Thiamethoxam is expected to degrade in soil or water due to photolysis.

BIOACCUMULATION: No additional information available

MOBILITY: No additional information available

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: Absorb on paper towels or rags and allow to dry out before disposing to general waste.

SECTION 14 - TRANSPORT INFORMATION

This product is not a dangerous good according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), the International Maritime Dangerous Goods Code (IMDG) nor the International Air Transport Association (IATA) criteria.

UN Number: None allocated
Proper shipping name: None allocated
DG Class: None allocated
HazChem code: None allocated
Packing group: None allocated

SECTION 15 - REGULATORY INFORMATION

All ingredients in this formulation are listed in the Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme (NICNAS).

Schedule 5 Poison in accordance with the Standard for the Uniform Scheduling of Medicines and Poisons

SECTION 16 - OTHER INFORMATION

REFERENCES

1. National Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals, 2011
2. Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003(1995)] and subsequent amendments
3. Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), 7.6th Edition, 2018
4. Standard for the Uniform Scheduling of Medicines and Poisons No. 21, June 2018 and subsequent amendments

ABBREVIATIONS

BOD	Biological oxygen demand
CAS number	Chemical Abstracts Service Registry Number
EC50	Half maximal effective concentration
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
LDLo	Lowest documented lethal dose
LD50	Lethal Dose for 50% of test population (ingestion or skin contact)
LC50	Lethal Dose for 50% of test population (inhalation)
mmHg	Millimetres Mercury
UN Number	United Nations Number
TD	Toxic Dose

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