

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 Urea

RECOMMENDED USE:

Fertiliser.

SECTION 2 - HAZARDS IDENTIFICATION

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

NOT CLASSIFIED AS A DANGEROUS GOOD.

NOT A SCHEDULED POISON.

PHYSICAL HAZARDS: Not Classified

HEALTH HAZARDS: Not Classified

ENVIRONMENTAL HAZARDS: Not Classified

Label elements

GHS Signal Word: None

HAZARD STATEMENT:

None

PREVENTION

P102: Keep out of reach of children.

P261: Avoid breathing dusts

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

P264: Wash contacted areas thoroughly after handling.

RESPONSE

P352: Wash with plenty of soap and water.

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

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

P337+P313: If eye irritation persists: Get medical advice.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

STORAGE

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

DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in household waste for landfill.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Name

Urea

CAS Number

57-13-6

Concentration

98.5% min

MPURITIES - Non-hazardous ingredients or ingredients below concentrations for classification as hazardous

Not available

balance

SECTION 4 - FIRST AID MEASURES

GENERAL INFORMATION: If in doubt, get medical attention promptly. Show this Safety Data Sheet to medical personnel.

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 any 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 develops or persists, considered very unlikely. 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. Seek medical attention as a precautionary measure.

INHALATION: First aid is unlikely to be required as a result of exposure during normal use. If symptoms occur, remove to fresh air. Keep warm and at rest. Seek medical attention if symptoms persist.

Additional Information:

First Aid Facilities: Not required.

Advice to Doctor: Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Non-combustible. Extinguish fire using whatever is suitable for the primary cause of the fire. Carbon dioxide, dry chemical, foam or water fog are all suitable.

HAZARDS FROM COMBUSTION PRODUCTS: This product is likely to decompose only after extreme heating when oxides of nitrogen and other toxic fumes may be formed.

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: Wear protective equipment as specified for handling (See Section 8).

SPILLS: Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. Sweep up and collect into labelled containers for recycling or disposal. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services.

SECTION 7 - HANDLING AND STORAGE

SAFE HANDLING PRECAUTIONS: Avoid eye contact and prolonged or repeated skin contact.

SAFE STORAGE PRECAUTIONS: Keep out of reach of children. Keep closed, in the original container, in a dry place. Avoid contact with moisture, as it will cause product handling issues. Store away from alkalis, hypochlorites, oxidizing agents, ammonium nitrate, permanganates, metallic powders and strong acids.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE STANDARDS: None specified for this product.

E.S. TWA:

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 normal use of this product.

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 safety glasses or goggles should be worn if necessary to prevent eye contact. Nitrile, neoprene, PVC or natural rubber gloves should be worn if necessary to prevent skin contact. Respiratory protection is unlikely to be required for normal use of this product. If generated, avoid inhaling spray mists.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical Description & colour:	White granules.
Odour:	Slight, ammonia like odour
Boiling Point:	Decomposes above 135°C before boiling
Melting Point:	Solid at normal temperatures
Volatiles:	Negligible
Vapour Pressure:	Negligible
Vapour Density:	Not applicable
Specific Gravity:	Not available
Water Solubility:	Soluble
pH:	10% of solution: 4.0 to 8.0
Volatility:	Negligible.
Evaporation Rate:	Negligible.
Auto ignition temp:	None
Flash point:	None
Upper Flammability Limit:	None
Lower Flammability Limit:	None

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use and storage

CONDITIONS TO AVOID: Keep out of reach of children. Keep in the original container in a dry area.

INCOMPATIBLE MATERIALS: Strong acids and alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: May evolve toxic fumes if heated to decomposition. Reactive with alkalis, hypochlorites, oxidizing agents, nitrites, permanganates, metallic powders and strong acids. Mildly corrosive to aluminium, zinc, copper, nickel, cobalt, iron and mild steel. May react explosively on contact with halogens such as chlorine (swimming pool chlorine – calcium hypochlorite and sodium hypochlorite mixture). Ammonia may be released when urea and strong alkalis are mixed together

Hazardous Reactions: None known.

POLYMERISATION: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE - SWALLOWED: Not hazardous but ingestion of large amounts could still result in stomach upset with symptoms such as nausea, vomiting and diarrhoea

ACUTE – EYE: May cause mild, transient irritation. No other symptoms are anticipated once exposure has ceased. May cause irritation, redness and pain following prolonged contact.

ACUTE – SKIN: No symptoms are expected as a result of brief contact. Prolonged contact may cause some irritation, including redness and itching.

ACUTE – INHALED: Dusts may cause transient irritation.

CHRONIC HEALTH EFFECTS

No chronic effects are known for this product.

Urea (57-13-6): LDLo (intravenous): 4800mg/kg (rabbit)

LDLo (intraperitoneal): 6608mg/kg (mouse)

LD50 (intraperitoneal): >5000mg/kg (rat)

LDLo (subcutaneous): 3000mg/kg (rabbit)

LD50 (ingestion): 8471mg/kg (rat)

LD50 (Intravenous): 4600mg/kg (mouse)

LD50 (subcutaneous): 8200mg/kg (rat)

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).

No additional data available.

SECTION 12 - ECOLOGICAL INFORMATION

This product will not adversely affect the environment. Not expected to be an environmental hazard.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: Small volumes may be disposed to household waste. For large volumes, recycling is the preferred option but if that is not practicable, dispose to waste for landfill.

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).

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), 7.7th Edition, 2020
4. Standard for the Uniform Scheduling of Medicines and Poisons No. 34, October 2021 and subsequent amendments

ABBREVIATIONS

CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
LDLo	The lowest dose in an animal study in which lethality occurred.
LD50	Lethal Dose for 50% of test population (ingestion or skin contact)
mmHg	Millimetres of mercury
UN Number	United Nations Number

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