

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 Ammonium Sulphate, Sulphate of Ammonia

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: None

ENVIRONMENTAL HAZARDS: None

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	CAS Number	Concentration
Ammonium sulphate	7783-20-2	99%
Non-hazardous impurities		remainder

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.

Richgro Sulphate of Ammonia



Revision: 2

Issue Date: 12/08/2021

Page 2 of 4

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 and does not support combustion. 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 may decompose in a fire situation giving rise to oxides of sulphur and nitrogen.

PROTECTIVE EQUIPMENT: Fire fighters should wear self-contained breathing apparatus.

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, sweep up and collect into labelled containers for recycling or disposal.

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.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE STANDARDS: None specified for any of the ingredients in this product.

E.S. TWA: None

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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical Description & colour:	White or slightly pink crystals.
Odour:	None
Boiling Point:	Decomposes at 235-280°C
Melting Point:	Solid at normal temperatures
Volatiles:	Negligible.
Vapour Pressure:	Negligible
Vapour Density:	Not applicable
Specific Gravity:	1.77
Water Solubility:	Soluble in water (76g/100g water at 20°C),
pH:	~ 5 - 6 (50 g/l, H ₂ O, 20 °C)

Richgro Sulphate of Ammonia



Revision: 2

Issue Date: 12/08/2021

Page 3 of 4

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: Slightly reactive with oxidizing agents. Sulphate of ammonia is a sensitiser, increasing explosion hazard of ammonium nitrate, potassium nitrate and potassium chlorate, when mixed together. If mixed with pool chlorine, i.e., calcium hypochlorite, or sodium hypochlorite, it can form a spontaneously explosive nitrogen trichloride.

HAZARDOUS DECOMPOSITION PRODUCTS: Contact with alkalis will release ammonia gas.

HAZARDOUS REACTIONS: Highly corrosive to aluminium, zinc, copper and brass. Slightly corrosive to mild steel and 304 stainless steel. Not corrosive to 316 steel.

POLYMERISATION: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE - SWALLOWED: Causes irritation to the gastrointestinal tract. It presents little toxicity unless large amounts are ingested resulting in ammonia poisoning, in which case, vomiting and diarrhoea are likely along with nausea.

ACUTE – EYE: May cause mild, transient irritation. No other symptoms are anticipated once exposure has ceased.

ACUTE – SKIN: No symptoms are expected as a result of brief contact.

ACUTE – INHALED: Dusts may cause transient irritation.

CHRONIC HEALTH EFFECTS

LD50 (Intraperitoneal): 610 mg/kg (mouse)

TDLo (Ingestion): 1500 mg/kg (man - gastrointestinal effects)

LD50 (Ingestion): 640 mg/kg (mouse)

LDLo (Ingestion): 3500 mg/kg (domestic animal) No chronic effects are known for this product.

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 is used as a fertiliser and is unlikely to adversely affect the environment unless released in large quantities in which case it may be harmful to plants. Salts, acids and bases are typically diluted and neutralised when released to the environment in small quantities. Not expected to be an environmental hazard in small quantities.

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. 32, February 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
LD50	Lethal Dose for 50% of test population (ingestion or skin contact)
LDLo	Lowest reported lethal dose
mmHg	Millimetres of mercury
UN Number	United Nations Number

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