



## SAFETY DATA SHEET

# ALLRICH

### Identification of the Material & Supplier

Product Name: ALLRICH  
Other Names: MicroEssentials S15ZC, Monoammonium Phosphate + Sulphur, Zinc and Copper  
Recommended Use: Fertilizer  
Supplier: Summit Fertilizers  
29 Ocean St  
Kwinana Beach WA 6167  
Telephone: 9439 8999

### Hazards Identification

Hazards Classification: ALLRICH is not classified as hazardous according to NOHSC criteria  
Risk Phrase: ALLRICH is not classified as a Dangerous Good according to the ADG Code

### Composition/Information on Ingredients

Chemical Identity:  $(\text{NH}_4)_2\text{HPO}_4 + (\text{NH}_4)_2\text{SO}_4 + \text{S}$   
Proportion of Ingredients: Phosphate as P: 8.7%  
Nitrogen as N: 16.0%  
Sulphur as S: 12.5%

CAS Number: 7722-76-1  
7704-34-9  
1314-13-2

### First Aid Measures

Eye Contact: Immediately flush with fresh water for at least 15 minutes. Hold eyes open while flushing with water. Seek medical attention if irritation persists.  
Skin Contact: Immediately remove contaminated clothing and shoes. Flush skin with fresh water for at least 15 minutes. Use soap if available or follow by flushing with soap and water. Do not reuse contaminated clothing without laundering. Seek medical attention if irritation persists.  
Inhalation: Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing, administer artificial respiration. Seek medical attention immediately.  
Ingestion: If victim is conscious and alert, give plenty of water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Seek medical attention immediately.



### Fire Fighting Measures

Flammability	Product is not combustible and will not explode.
Suitable Extinguishing Media	Water spray, fog foam dry chemical or CO <sub>2</sub> .
Hazards from Combustion Products	May evolve ammonia fumes and PO <sub>x</sub> when heated to decomposition.
Hazchem Code	None allocated.

### Accidental Release Measures

Emergency Procedures	Isolate the area and deny entry to nonessential personnel. Emergency responders and/or clean up personnel should wear appropriate protective clothing and equipment.
Methods and Materials for Containment & Cleanup	Prevent from entering drains or waterways. Collect material promptly. Minimise dust generation during clean up operation.

### Handling & Storage

Precautions for Safe Handling	Avoid dust in the eyes, skin contact and inhalation. Maintain proper hygiene standards by washing thoroughly after handling product.
Conditions for Safe Storage	Store in a cool, dry, well ventilated location.
Storage Incompatibilities	Unknown

### Exposure Controls/Personal Protection

National Exposure Controls	No specific official limit. NOHSC recommended value for inhalable particulate TWA: 10mg/m <sub>3</sub>
Engineering Controls	Avoid dusty areas.
Personal Protective Equipment	Wear gloves, long sleeve shirt and long trousers to prevent skin contact. In dusty areas use a single use dust respirator and wear chemical safety glasses to prevent eye contact.

### Physical & Chemical Properties

Appearance	Brown granulated solid material.
Odour	Slight odour.
pH of 10% Solution	4.3
Vapour Pressure	< 10 mm Hg @ 20°C
Boiling Point	Not applicable
Melting Point	Not applicable
Solubility in Water	85.4% at 20°C
Specific Gravity	
Bulk Density	1.0 t/m <sup>3</sup>

### Stability & Reactivity

Stability	Stable under normal temperatures and pressures
Reactivity	
Incompatible Materials	Extreme temperatures
Decomposition Products	Extreme temperatures such as exposure to fire causes formation of toxic fumes of PO <sub>x</sub> and NH <sub>3</sub>

### Toxicological Information

Health Effects	Not found to be toxic by oral exposure as defined by OSHA. Based on toxicity data for other ammonium compounds (ie ammonium nitrates), not expected to be toxic by dermal exposure as defined by OSHA.
Toxicity Data	LD50 (ingestion): >2,000mg/kg OECD Guideline 425 (rat) LD50 (dermal): >5,000mg/kg OECD Guideline 402 (rat)



## Ecological Information

Ecotoxicity	Non-toxic to aquatic organisms as defined by USEPA Fish 96 hour LC50, OECD Guidelines 203 (rainbow trout): >86mg/L
Mobility	Soluble. May leach into groundwater if released to soil
Persistence & Degradability	Phosphates are converted into calcium or iron/aluminium phosphates or are incorporated into the organic soil matter.
Bioaccumulative Potential	Not expected to show bio-accumulation phenomena.

## Disposal Considerations

Disposal Methods & Containers	Dispose of on a farm, or authorized waste facility in accordance with statutory requirements. May be broadcast on farm as fertilizer using proper agriculture and soil management.
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## Transport Information

UN Number	None allocated
UN Proper Shipping Name	None allocated
Class & Subsidiary Risk	None allocated
Packing Group	None allocated
Hazchem Code	None allocated

## Regulatory Information

Australian Regulatory Information	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). All chemicals listed on the Australian Inventory of Chemical Substances (AICS).
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## Other Information

Key/Legend	NOHSC	National Occupational Health and Safety Commission
	USEPA	United States Environmental Protection Authority
	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
	ACGIH	American Conference of Government Industrial Hygienists
	OECD	Organisation for Economic Cooperation and Development
	ES-TWA	Exposure Standard – Time weighted average
	ES-STEL	Exposure Standard – Short term exposure level
	ES-Peak	Exposure Standard – Peak level
	LDLo	The lowest dose in an animal study in which lethality occurred.
	LD50	Lethal dose 50. The single dose of a substance that causes death of 50% of an animal population from exposure other than inhalation
	t/m <sup>3</sup>	Tonnes per cubic metre
	mg/m <sup>3</sup>	Milligrams per cubic metre
	mg/kg	Milligrams per kilogram
	pH	Hydrogen ion concentration on a scale of 0-14

## Disclaimer

The information contained in this SDS is offered in good faith as accurate but does not purport to be all-inclusive. Health and safety precautions in this SDS may not be adequate for all individuals and/or situations. It is the user's responsibility to determine the suitability of any material for a specific purpose, adopt such precautions as may be necessary and comply with all applicable laws and regulations.  
Summit Fertilizers reserves the right to make changes to SDS data without notice.