



SAFETY DATA SHEET

ALLRICH

Identification of the Material & Supplier

Product Name: ALLRICH
Other Names: MicroEssentials S15ZC, Monoammonium Phosphate + Sulphur.
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
7783-20-2
7704-34-9

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

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

Accidental Release Measures

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| 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

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| 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

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| National Exposure Controls | No specific official limit. NOHSC recommended value for inhalable particulate TWA: 10mg/m ₃ |
| 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

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| Appearance | Brown/Grey 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 ³ |

Stability & Reactivity

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| 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 _x and NH ₃ |

Toxicological Information

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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 ³ | Tonnes per cubic metre |
| | mg/m ³ | 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.