



SAFETY DATA SHEET

PASTURE

Identification of the Material & Supplier

Product Name: PASTURE
Other Names: Sulphur Coated TSP
Recommended Use: Fertilizer
Supplier: Summit Fertilizers
29 Ocean St
Kwinana Beach WA 6167
Telephone: 9439 8999

Hazards Identification

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

Composition/Information on Ingredients

Chemical Identity: $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O} + \text{S}$
Proportion of Ingredients: Phosphate as P 19.5%
Sulphur as S 10.0%
Calcium as Ca 16.0%
CAS Number: 7664-93-9
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

Flammability: Product is non flammable and does not support combustion.
Suitable Extinguishing Media: Small fires: water spray, foam, dry chemical or CO_2
Large fires: water spray, fog or foam
Hazards from Combustion Products: May evolve toxic gases (phosphorous/sulphur oxides) when heated to decomposition. Wear self-contained breathing apparatus with full protective clothing.
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 and skin contact. Maintain proper hygiene standards by washing thoroughly after handling product. |
| Conditions for Safe Storage | Store in a cool, dry, well ventilated location. Prevent product from getting wet as it will cause caking and handling problems. |
| Storage Incompatibilities | Oxidizing agents, acids and foodstuffs. |

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 P1 (particulate) respirator and wear chemical safety glasses to prevent eye contact. |

Physical & Chemical Properties

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| Appearance | Brown or grey granulated solid material. |
| Odour | Slight odour. |
| pH of 10% Solution | 3 |
| Vapour Pressure | Not applicable |
| Boiling Point | Not applicable |
| Melting Point | Not applicable |
| Solubility | 85% in water at 20°C |
| Specific Gravity | |
| Bulk Density | 1.15t/m ³ |

Stability & Reactivity

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| Stability | Stable under normal temperatures and pressures |
| Reactivity | Hazardous polymerization is not expected to occur. |
| Incompatible Materials | Incompatible with oxidizing agents (eg peroxides) and acids (eg hydrochloric acid). Avoid exposure to extreme temperatures |
| Decomposition Products | PO _x , SO _x |

Toxicological Information

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| Health Effects | Low toxicity by oral or dermal exposure as defined by OSHA. Inhalation of dust may cause irritation to the nose and upper respiratory tract. Prolonged skin contact may cause some irritation, including redness and itching. Eye contact may cause irritation, redness and pain. Ingestion of large amounts may give rise to gastro-intestinal irritation with symptoms such as nausea, vomiting, diarrhea. |
| Toxicity Data | TSP: LD50 (oral): 5,000-6,000mg/kg (sheep) Sulphur: LC50 (inhalation): 1,660 mg/m ³ (mammal) |



Ecological Information

Ecotoxicity

TSP

Aquatic: Low toxicity to aquatic life.

Fish 96 hour LC₅₀ : 1,560-5,900 mg/L

Daphnia 72 hour EC₅₀ : 1,790-1,825 mg/L

Algae, OECD Guidelines 201 (green algae, Selenastrum)

No toxicity at up to 87.6 mg/L; stimulation observed at 42.6 mg/L and higher.

Non-toxic to aquatic organisms as defined by USEPA

May leach into groundwater if released to soil. Will not evaporate readily.

Mobility

Persistence & Degradability

Phosphates are converted to calcium or iron/aluminium phosphates or are

incorporated into the organic soil matter. Sulphur is the elemental form which is not soluble but will degrade slowly by bacterial action in the soil.

Bioaccumulative Potential

Unknown

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.

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).



Other Information

Key/Legend

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|-------------------|---|
| 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.