SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product Name  
FertAg™ Granular (0-7-0)  
Thermo calcium magnesium silicate phosphate; FMP, FCMP, CaMP

1.2 Uses and uses advised against

Uses  
Controlled release nonleaching, nonwater soluble granular fertiliser

Uses advised against  
Do not apply as foliar fertiliser nor mix with acid compounds

1.3 Details of the supplier of the product

Supplier name  
Fertoz Agriculture Pty Ltd

Address  
40 Balgowlah Street, WAKERELY, Queensland, 4154

Telephone  
1300 978 789

Website  
http://www.fertag.com

1.4 Emergency telephone number

Emergency  
1300 978 789

SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

2.2 Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

2.3 Other hazards

No information provided.

ADG Classification: N/A  
UN Number: NONE  
Hazchem: NONE
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances/Mixtures

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Identification</th>
<th>Classification</th>
<th>Proportion/Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermo calcium magnesium silicate phosphate  Ca₃(PO₄)₂</td>
<td>EINECS: 231-840-8</td>
<td>Not available</td>
<td>min 980g/kg</td>
</tr>
<tr>
<td>Other non hazardous</td>
<td>-</td>
<td></td>
<td>To 100 %</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

Call The Poisons Information Centre if you may have been poisoned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

4.1 Description of first aid measures

Eye
If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation
If inhaled dust, remove from contaminated area. Apply artificial respiration if not breathing.

Skin
If skin contact occurs, remove contaminated clothing and flush skin with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

Ingestion
For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor.

First aid facilities
No information provided.

4.2 Most important symptoms and effects, both acute and delayed
See Section 11 for more detailed information on health effects and symptoms

4.3 Immediate medical attention and special treatment needed
Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES
5.1 Extinguishing media
Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture
Non flammable. May evolve toxic gases if strongly heated when water present.

5.3 Advice for firefighters
No fire or explosion hazard exists.

5.4 Hazchem code
None allocated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear Personal Protective Equipment (PPE) as detailed in Section 8. Ventilate storage area where possible
6.2 Environmental precautions
Prevent product from entering drains and waterways.
6.3 Methods of cleaning up
If the spill has occurred in an open area and cannot be immediately retrieved, cover it with a tarpaulin, weighed down to prevent it being blown off by wind. If necessary, construct an earthen bund around the site to prevent stormwater moving towards the spill, or contaminated stormwater draining from the site. Prevent loss to bores, wells, sewers, stormwater drains and watercourses.
Product is not water soluble but can be physically carried in storm water.
Recover spilt fertiliser as soon as possible. Avoid generating and inhaling dust. Refer to Section 8 for details on protective equipment. Fertiliser that has not been degraded or contaminated can be used as intended. Sweep up residual fertiliser from sealed surfaces. In earthen areas, scrape up remaining fertiliser and soil from the affected area. The extent of the recovery will depend on an assessment of the area, its use and proximity to waterways and environmentally sensitive ecosystems. In agricultural sites, spread residual fertiliser out over as wide an area as possible.
6.4 Reference to other sections
See Sections 8 and 13 for exposure controls and disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid eye and skin contact and dust inhalation.
Observe good personal hygiene, including washing hands before eating. When lifting flexible intermediate bulk containers, use properly designed and approved equipment that meets Australian Standards AS3668 and AS2359.
Refer to the Industry pamphlet "Guidance for the Safe Handling of Fertiliser Bulk Bags".
7.2 Conditions for safe storage, including any incompatibilities
Fertilisers should be stored in a cool, dry, covered and well-ventilated area. Store away from acids; oxidizing agents, e.g. hypochlorite; farm chemicals, e.g. insecticides, fungicides and herbicides; and foodstuffs. Bulk fertilisers should be stored in bays or piles physically apart from other products. Concrete or sealed floors are recommended. Conduct Risk Assessments, and ensure appropriate equipment, procedures and training are in place at the site. It is generally recommended that fertilisers not be placed in silos, and if they are, only for short periods of time.

Ensure stockpiles of bulk bags are stable. Place the bags as close as reasonably practical to each other without causing undue damage. If stacking more than two high, stack in a pyramidal style. Ensure the third and subsequent layers are placed so as to straddle and bind the bags below them.

When walking near, or between rows of stacked bags, maintain a distance equal to the height of the stack from the product.

Bagged fertilisers should be stored under cover and out of direct sunlight (which degrades woven polypropylene packs). If stored in the open, do so for short periods only, and cover the bags with a tarpaulin. The Pallet Capacity Rating (design weight) must not be exceeded on the bottom tier.

7.3 Specific end use(s)
Organic controlled release phosphate fertilizer, not water soluble and non leaching.

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### 8.1 Control parameters

<table>
<thead>
<tr>
<th>Exposure standards</th>
<th>No exposure standards have been entered for this product.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological limits</td>
<td>No biological limit values have been entered for this product.</td>
</tr>
</tbody>
</table>

#### 8.2 Exposure controls

<table>
<thead>
<tr>
<th>Engineering controls</th>
<th>Avoid inhalation. Use in well ventilated areas. Use working procedures to reduce the potential for an inhalation hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPE</td>
<td></td>
</tr>
<tr>
<td>Eye / Face</td>
<td>Wear splash-proof goggles.</td>
</tr>
<tr>
<td>Hands</td>
<td>Wear cotton gloves. Individuals with sensitive skin should consider wearing elbow length PVC or rubber gloves.</td>
</tr>
<tr>
<td>Body</td>
<td>Not required under normal conditions of use.</td>
</tr>
</tbody>
</table>
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

APPEARANCE: Grey granular
ODOUR: odorless
SPECIFIC GRAVITY OR DENSITY: Bulk Density 1400 kg/m3
VAPOUR PRESSURE: No information available.
PERCENT VOLATILES: No information available.
BOILING POINT / RANGE: No information available.
MELTING POINT: MP >1450°C
pH 8
SOLUBILITY: Not Soluble in water. Soluble in weak acid
Upper explosion limit NOT RELEVANT
Lower explosion limit NOT RELEVANT
FLASH POINT: No known fire hazard.
FLAMMABILITY LIMITS: No information available
IGNITION TEMPERATURE: No information available.
OTHER – MOLECULAR FORMULA: Ca3(PO4)2

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability
Stable under recommended conditions of storage.

10.3Possibility of hazardous reactions
Polymerization is not expected to occur.

10.4 Conditions to avoid
Avoid acidic compounds.

10.5 Incompatible materials
Acidic compounds.

10.6 Hazardous decomposition products
Reaction with acids and oxidising agents may generate sulphurous odours and toxic sulphur vapour.

**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Health hazard</th>
<th>Low toxicity. Use safe work practices to avoid eye or skin contact and</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary</td>
<td>Inhalation</td>
</tr>
<tr>
<td>Eye</td>
<td>Low to moderate irritant. Contact may result in irritation, lacrimation, pain and redness</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Low irritant. Over exposure may result in irritation of the nose and throat, with coughing.</td>
</tr>
<tr>
<td>Skin in mild</td>
<td>Non - low irritant. Prolonged or repeated contact may result in mild irritation. Some individuals may experience allergic reaction.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Low toxicity. Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation.</td>
</tr>
</tbody>
</table>

Toxicity data CALCIUM PHOSPHATE, (7758-23-8) : LD50 (ingestion) 15250 mg/kg (mouse)

**SECTION 12: ECOLOGICAL INFORMATION**

12.1 Toxicity

No information provided.

12.2 Persistence and degradability

No information provided.

12.3 Bioaccumulative potential

No information provided

12.4 Mobility in soil

No information provided.

12.5 Other adverse effects

Avoid spills and contamination of waterways. Phosphorus fertilisers can stimulate weed and algal growth if get into static surface waterways. Algae does affect water quality and taste.

**SECTION 13: DISPOSAL CONSIDERATIONS**
13.1 Waste treatment methods

Waste disposal

The product fertiliser should be used for its intended purpose only. Beneficial reuse is the preferred disposal option. For fertiliser that is physically degraded but not contaminated in any way, this may necessitate using different application equipment and methods to apply it. If the fertiliser is contaminated with other fertilisers, soil, or other non-harmful substances, and it can be satisfactorily applied, use it for its nutrient value in pasture, crops or on a recreational area, e.g. lawns and parks. If contaminated with other materials, e.g. fuel, oil or chemicals, the fertiliser waste must be disposed of in accordance with relevant local legislation. Contact the Waste Management Authority for advice.

Legislation

Dispose of in accordance with relevant local legislation.

SECTION 14: TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

UN NUMBER: NONE
CLASS AND SUBSIDIARY RISK(S): NONE
HAZCHEM CODE: NONE
PACKAGING GROUP: NONE
INITIAL EMERGENCY RESPONSE GUIDE: NONE


UN NUMBER: NONE
CLASS AND SUBSIDIARY RISK(S): NONE
STOWAGE AND SEGREGATION: NONE
UN PROPER SHIPPING NAME: NONE
PACKAGING GROUP: NONE
INITIAL EMERGENCY RESPONSE GUIDE: NONE

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
| Risk phrases | None allocated |
| Classifications | Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)]. |
| Hazard codes | None allocated. |
| Safety phrases | None allocated. |
| Inventory listing(s) | AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt. |

**SECTION 16: OTHER INFORMATION**

This SDS contains only safety-related information sourced from the public domain and analytical results on this product:

- ACGIH American Conference of Governmental Industrial Hygienists
- CAS # Chemical Abstract Service number - used to uniquely identify chemical compounds
- CNS Central Nervous System
- EC No. - European Community Number
- GHS Globally Harmonized System
- IARC International Agency for Research on Cancer
- LC50 Lethal Concentration, 50% / Median Lethal Concentration
- LD50 Lethal Dose, 50% / Median Lethal Dose
- mg/m³ Milligrams per Cubic Metre
- OEL Occupational Exposure Limit
- PEL Permissible Exposure Limit
- pH relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
- ppm Parts Per Million
- REACH Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
- STEL Short-Term Exposure Limit
- STOT-RE Specific target organ toxicity (repeated exposure)
- STOT-SE Specific target organ toxicity (single exposure)
- SUSMP Standard for the Uniform Scheduling of Medicines and Poisons
- SWA Safe Work Australia
- TLV Threshold Limit Value
- TWA Time Weighted Average

**Acronyms:**

- **ADG Code** Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition
- **AICS** Australian Inventory of Chemical Substances
- **CAS number** Chemical Abstracts Service Registry Number
- **Hazchem Number** Emergency action code of numbers and letters that provide information firefighters
- **IARC** International Agency for Research on Cancer
- **ASCC** Office of the Australian Safety and Compensation Council
- **NTP** National Toxicology Program (USA)
- **R-Phrase** Risk Phrase
SUSDP Standard for the Uniform Scheduling of Drugs & Poisons
UN Number United Nations Number
Police and Fire Brigade: Dial 000  Poisons Information Centre (13 1126)
Emergency contact: 1300 978 789 (24 hours)

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( END SDS Document )