



Whitfert Material Safety Data Sheet

Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Based Fertilisers

Date of Issue: June 2020
Page 1 of 5

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of WorkSafe Australia

COMPANY DETAILS

| | |
|-----------------------------------|--------------------------------------|
| Company | Whitfert |
| Address | 54 Beach Street Kwinana |
| Telephone Number | (08) 9419 9999 |
| Emergency Telephone Number | 1800 654 089 (Not 24 Hours: 7am–5pm) |

IDENTIFICATION

| | |
|--------------------------------|--|
| Product Name | Autumn Starter, Autumn Starter TE, Nitro Graze, Hay Silage and Spring Flush.Double Super, Double Super TE, PastureGro and PastureGroTE |
| Other Names | As above |
| Product Code | No Product Code allocated |
| U.N. Number | No UN number allocated |
| Dangerous Goods Class | No Dangerous Goods Class allocated |
| Subsidiary Risk | No Subsidiary Risk allocated |
| Hazchem Code | No Hazchem Code allocated |
| Packing Group | No Packing Group allocated |
| Poisons Schedule Number | No Poisons Schedule Number allocated |
| Use | Fertiliser |

PHYSICAL DESCRIPTION/PROPERTIES

| | |
|----------------------------|--|
| Appearance | Partly granulated fertiliser with wide variations in Particle size and colour, Light grey-brown and red in colour. |
| Boiling Point | No data available |
| Melting Point | No data available |
| Vapour Pressure | No data available |
| Specific Gravity | No data available |
| Flash Point | No data available |
| Flammability Limits | No data available |
| Solubility in Water | No data available |

OTHER PROPERTIES

| | |
|--|---|
| Corrosiveness | Mildly corrosive to iron, mild steel, brass, zinc, copper and aluminium. |
| Reactivity With Common Substances | Reactive with oxidizing agents, alkalis, Sodium hypochlorites and strong acids. Toxic hydrogen chloride gas may be produced when contacted with strong acids. Toxic nitrosyl chloride may be produced when contacted with hot nitric acid. Contact with alkali will release ammonia gas. Explosive nitrogen trichlorite may form from contact with chlorinating agents, such as calcium hypochlorite and sodium hypochlorite. |
| Solubility in organic solvents | Not soluble in acetone or alcohol |
| Ph of 10% solution | 3.0 – 6.0 |
| Bulk Density | 0.8 – 1.10 tonne/m ³ |



Whitfert Material Safety Data Sheet

Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Based Fertilisers

Date of Issue: June 2020
Page 2 of 5

| INGREDIENTS | | |
|---------------------------|---------------------|------------|
| Major | | |
| Chemical Entity | Proportion (%wt/wt) | C.A.S. No. |
| Calcium Dihydrogen | Less than 55% | 7758-23-8 |
| Calcium Sulfate Dihydrate | Less than 15% | 10101-41-4 |
| Potassium Chloride | 30% or Less | 7447-40-7 |
| Ammonium Sulfate | 75% or Less | 7783-20-2 |
| Diammonium Phosphate | Less than 25% | 7783-28-2 |
| Monoammonium Phosphate | Less than 2% | 7722-76-1 |
| Minor | | |
| Chemical Entity | Proportion (%wt/wt) | C.A.S. No. |
| Copper Oxide | Less than 1% | 1317-38-0 |
| Zinc Oxide | Less than 1% | 1314-13-2 |
| Coating agent | Less than 1% | |

HEALTH HAZARD INFORMATION

| | |
|--|--|
| HEALTH EFFECTS – ACUTE – Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Superphosphate and based Fertilisers have a low toxicity. It is not classified as hazardous according to criteria of WorkSafe Australia. | |
| Swallowed | Low degree of toxicity via ingestion. In cases where large amounts are ingested there may be a reaction of nausea, diarrhoea and vomiting. LD ₅₀ on rats, orally, greater than 2,000 mg/ kg (Monoammonium Phosphate), (Ammonium Sulphate) LD ₅₀ – 3,000 mg/kg, (Calcium Dihydrogen Phosphate) LD ₅₀ – 17,500 mg/kg, (Gypsum) LD ₅₀ 5,000 mg/kg, (Potassium Chloride) LD ₅₀ – 2,600 mg/kg, (Urea), LD ₅₀ – 8,471 mg/kg. |
| Eye Contact | Contact may cause mild irritation, in the form of redness, stinging and watering. |
| Skin Contact | Dust may dry out skin and cause irritation, itching and redness, especially if the skin has previously been exposed to abrasion. No harmful effects from skin absorption have been reported. |
| Inhaled | Mild irritant may cause irritation to the nose and upper respiratory tract when high concentrations of air-borne dust are present. |
| HEALTH EFFECTS – CHRONIC - There is no known effect from chronic exposure to Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Superphosphate based Fertilisers. | |

| FIRST AID | |
|---------------------|---|
| Swallowed | Providing the person is conscious wash out mouth with water and give water or milk to drink. Do not induce vomiting. Seek medical assistance, if a large quantity has been swallowed, or if there is difficulty swallowing or continued pain. |
| Eye Contact | Irrigate with water for 15 minutes immediately. If pain persists seek medical assistance. |
| Skin Contact | Wash off with plenty of water. Remove contaminated clothing and launder before using again. |



Whitfert Material Safety Data Sheet

Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Based Fertilisers

Date of Issue: June 2020
Page 3 of 5

First Aid (Continued)

| | |
|-----------------------------|--|
| Inhaled | Remove from exposure to a well-ventilated area. Keep warm and at rest. In emergency situations, if breathing is abnormal or difficult give oxygen. If the affected person suffers a cardiac arrest commence cardio-pulmonary resuscitation immediately. Seek urgent medical attention. |
| First Aid Facilities | Ensure drinking water and eye wash bottles are available when Superphosphate and Potassium Chloride based Fertilisers are in regular use. |
| Advice to Doctor | Treat symptomatically |

PRECAUTIONS FOR USE

| | |
|-----------------------------|--|
| Exposure standards | There are no specific exposure limits available. Recommended ACGIH value for airborne concentrations of dust particles TLV/TWA -10mg/m ³ Nuisance dust. |
| Engineering controls | Use well ventilated areas. Avoid high dust concentrations. |

PERSONAL PROTECTION

| | |
|----------------------------------|---|
| Respirator type (AS 1716) | Avoid inhaling the dust by wearing class P2 type dust mask when dust is present. |
| Eye protection | Chemical safety glasses can be worn to help prevent contact with the eyes. |
| Glove type | PVC gloves can be worn to prevent skin contact. |
| Clothing | Long sleeve shirt buttoned to the top and long trousers to help prevent skin contact. |
| Personal Hygiene | Ensure clothing is washed and personal protective equipment replaced or washed before reuse if contaminated. Wash hands and face after handling and before work breaks when handling food, smoking or toilet breaks, etc. |

FLAMMABILITY

| | |
|---------------------|--|
| Fire Hazards | Superphosphate - Potassium Chloride- Ammonium Sulphate-Urea and Diammonium Phosphate Superphosphate based Fertilisers are not flammable and do not support combustion. |
|---------------------|--|

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT

| | |
|----------------------------------|--|
| Location | Store in a well ventilated, cool and dry area. Contact with moisture must be avoided for it can cause handling difficulty. Ensure machinery is cleaned thoroughly after use, do not leave in machinery overnight. |
| Storage incompatibilities | Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Superphosphate based fertilisers are relatively inert. Store away from alkalis, chlorinating agents: eg swimming pool chlorine and strong acids. |
| Dangerous Goods class | No Dangerous Goods Class Allocated |



Whitfert Material Safety Data Sheet

Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Based Fertilisers

Date of Issue: June 2020
Page 4 of 5

Storage & Transport (continued)

| | |
|---------------------------------------|--|
| Subsidiary Risk | No Subsidiary Risk Allocated |
| Special Transport Requirements | Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Superphosphate based fertilisers are relatively inert. Keep away from oxidizing agent, alkalis, chlorinating agents: eg swimming pool chlorine and strong acids. |
| Precautions for Clean Up Crew | Clean Up crew should wear P2 type dust masks, PVC gloves, chemical safety goggles and long sleeve shirts and trousers. |

SPILLS AND DISPOSAL

| | |
|---|--|
| Minimising Spill / leak | Spills should be swept and cleaned up immediately. Prevent run off into water ways and drainage systems. |
| Clean Up Methods | Depending on the size of the spill, clean up will involve sweeping up and loading into a truck or container. All material should be gathered up and disposed of. |
| Precautions for Clean Up Crew | Clean Up crew should wear P2 type dust masks, PVC gloves, chemical safety goggles and long sleeve shirts and trousers. |
| Specialised Equipment for Clean Up | Depending on the size of the spillage, a front end loader may be required for clean up. |

FIRE AND EXPLOSION HAZARD

| | |
|---|--|
| Hazards of use / storage | Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Superphosphate based Fertilisers are relatively inert. Contact with alkalis, acids and oxidizing agents should be avoided. |
| Dangerous Decomposition or Combustion Products | When heated to decomposition, toxic fumes of ammonia and oxides of nitrogen, Sulphur and Phosphorous may be released. |
| Fire Fighting recommendations | Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Superphosphate based Fertilisers are not combustible. |
| Types of Extinguishers | Superphosphate and Potassium Chloride based Fertilisers are not combustible. |
| Fire Fighting Agents | Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Superphosphate based Fertilisers are not combustible. |
| Hazchem Code | No Hazchem Code allocated for Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Superphosphate based Fertilisers. |



Whitfert Material Safety Data Sheet

Superphosphate - Potassium Chloride- Ammonium Sulphate- Urea and Diammonium Phosphate Based Fertilisers

Date of Issue: June 2020
Page 5 of 5

OTHER INFORMATION

No Other Information available.

CONTACT INFORMATION

| Organisation | Location | Person | Telephone |
|----------------------------|----------------------------|----------------------|----------------|
| Whitfert | 54 Beach Street Kwinana WA | Safety administrator | (08) 9419 9999 |
| Poisons Information Centre | Subiaco WA | Duty officer | 13 11 26 |

DISCLAIMER

As the ordinary or otherwise use(s) of this product is outside the control of Whitfert, no representation or warranty, expressed or implied, is made as to the effect (s) of such use(s), (including damage or injury), or the results obtained. Users of the product should ensure they read this Material Safety Data Sheet and endeavour to understand the information in regard to how the product will be handled and used in the work place, particularly in conjunction with other products. This Material safety Data Sheet summarises our best knowledge of the health and safety hazard information of the practices involved in safely handling the product in the work place. If Additional information or further explanations of safety procedures are required to take the appropriate safety precautions, the handler can contact Whitfert on (08) 9419 9999.