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Whitfert Pty Ltd

Material Safety Data Sheet

Super Copper Zinc Moly

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of WorkSafe Australia

COMPANY DETAILS

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

IDENTIFICATION

Product Name	Super Copper Zinc Moly
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 material with wide particle size range. Light grey-brown in Colour
Boiling Point	N/A
Melting Point	N/A
Vapour Pressure	N/A
Specific Gravity	N/A
Flash Point	N/A
Flammability Limits	Not flammable
Solubility in Water	-

OTHER PROPERTIES

Corrosiveness	Mildly corrosive to aluminium, zinc, copper, brass, iron and galvanised steel.
Reactivity With Common Substances	Reacts with alkalis, oxidizing agents, strong acids and chlorinating agents, such as sodium hypochlorite and calcium hypochlorite.
Solubility in organic solvents	Nor soluble in alcohol or acetone.
Ph of 10% solution	3 to 5
Bulk Density	1.1 to 1.15 t/m ³ .



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INGREDIENTS		
Major		
Chemical Entity	Proportion (%wt/wt)	C.A.S. No.
Calcium Dihydrogen Phosphate	7758-23-8	Less than 100
Calcium Sulphate Dihydrate (Gypsum)	10101-41-4	Less than 60

Minor		
Chemical Entity	Proportion (%wt/wt)	C.A.S. No.
Copper Sulphate	7758-99-2	Less than 1
Manganese Sulphate	10101-68-5	Less than 10
Molybdenum Trioxide	1313-27-5	Less than 1
Zinc Oxide	1314-13-2	Less than 1

HEALTH HAZARD INFORMATION

HEALTH EFFECTS – ACUTE - Calcium dihydrogen phosphate/gypsum fertilisers have low toxicity, and are not classified as hazardous according to criteria of WorkSafe Australia.	
Swallowed	Presents little toxicity, unless large amounts are ingested. Large amounts give rise to gastro-intestinal irritation, with symptoms such as nausea, vomiting and diarrhoea. Calcium dihydrogen phosphate LD50 (Oral, rat) = 17,500 mg/kg, gypsum LD50 (Oral, rat) >5,000 mg/kg.
Eye Contact	May cause irritation, redness and pain following contact.
Skin Contact	Prolonged contact may cause some irritation, including redness and itching. No harmful effects from skin absorption have been recorded. Calcium dihydrogen phosphate LD50 (Dermal, rat) > 5,000 mg/kg, gypsum LD50 (Dermal, rat) > 5,000 mg/kg.
Inhaled	High dust concentration of air-borne material may cause irritation to the nose and upper respiratory tract; symptoms may include coughing and sore throat
HEALTH EFFECTS – CHRONIC - There is no known effect from chronic exposure to mono calcium phosphate/gypsum fertilisers.	

FIRST AID	
Swallowed	If person is conscious, rinse mouth thoroughly with water immediately, and give water or milk to drink. DO NOT induce vomiting. Seek medical attention, if more than a small quantity has been swallowed, or there is pain or difficulty with swallowing.
Eye Contact	Immediately irrigate with copious quantities of water, while holding eyelids open, for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact	Wash affected areas with copious amounts of water. Remove all contaminated clothing and launder before re-use.
Inhaled	Remove affected person from exposure to a well ventilated area. Keep warm and at rest. In emergency situations, if breathing is difficult give oxygen. If the affected person suffers cardiac arrest commence cardio-pulmonary resuscitation immediately. Seek urgent medical attention.
First Aid Facilities	Whenever mono calcium phosphate/gypsum fertilisers are in regular use ensure drinking water and eyewash bottle are available.
Advice to Doctor	Treat symptomatically



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PRECAUTIONS FOR USE

Exposure standards	No specific official limit. ACGIH recommended value for inhalable particulate TLV/TWA: 10mg/m3..
Engineering controls	Use in well ventilated areas. Avoid high dust concentration.

PERSONAL PROTECTION

Respirator type (AS 1716)	Where dust is a problem, use P2 type canister respirator.
Eye protection	Wear chemical safety glasses to prevent eye contact.
Glove type	Wear PVC gloves to prevent contact.
Clothing	Wear long sleeves and long trousers to prevent contact.
Personal Hygiene	Change and wash clothing, and personal protection equipment if contaminated, or before storing and/or re-using. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.

FLAMMABILITY

Fire Hazards	Calcium dihydrogen phosphate/gypsum fertilisers are non flammable and do not support combustion.
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SAFE HANDLING INFORMATION

STORAGE & TRANSPORT

Location	Store in a cool, clean, dry and well ventilated area. Avoid contact with moisture, as it will cause product-handling problem.
Storage incompatibilities	Calcium dihydrogen phosphate/gypsum fertiliser is a relatively inert material. Follow good housekeeping and storage practices. Avoid contact with strong alkalis, acids and swimming pool chemicals (eg sodium hypochlorite and calcium hypochlorite) as these react with the fertiliser to form oxides of phosphorus and sulphur.
Dangerous Goods class	No Dangerous Goods Class Allocated
Subsidiary Risk	No Subsidiary Risk Allocated
Special Transport Requirements	Calcium dihydrogen phosphate/gypsum fertiliser is a relatively inert material. However, segregation from strong alkalis, acids and oxidizing agents is recommended.

SPILLS AND DISPOSAL

Minimising Spill / leak	Any spillage should be cleaned up promptly and swept up. Prevent run-off into drains and waterways
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. Dispose of on a farm, or authorised waste facility in accordance with statutory requirements.
Precautions for Clean Up Crew	Clean up personnel should vacuum, or wet sweep, to avoid dust dispersal.



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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	Calcium dihydrogen phosphate/gypsum fertiliser is a relatively inert material. However, segregation from strong alkalis, acids and oxidizing agents is recommended.
Dangerous Decomposition or Combustion Products	During extremely high temperature fire conditions the fertiliser may reach melting or sublimation temperature and decompose to release toxic fumes of oxides of phosphorus and sulfur.
Fire Fighting recommendations	Calcium dihydrogen phosphate/gypsum fertilisers are non flammable and do not support combustion.
Types of Extinguishers	As above
Fire Fighting Agents	As above
Hazchem Code	No Hazchem Code allocated for Kieserite Fertilisers.

OTHER INFORMATION

Crystals of calcium dihydrogen phosphate/gypsum fertilisers are abrasive. When moisture is present, this fertiliser will produce solutions corrosive to metals.

CONTACT INFORMATION

Organisation	Location	Person	Telephone
Whitfert Pty Ltd	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 Pty Ltd, 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 Pty Ltd on (08) 9419 9999.