



SAFETY DATA SHEET - OZGYPZINC

SECTION 1: PRODUCT IDENTIFICATION

Product:	Granulated Gypsum with zinc
Other Names:	Pelletized Gypsum with zinc, Prilled Gypsum and zinc, Granular Gypsum and zinc
Manufacturer's Product Code:	OZGYPZINC
UN Number:	None allocated.
Dangerous Goods Class & Subsidiary Risk:	None allocated.
Hazchem Code:	None allocated.
Poisons Schedule Number:	Not scheduled.
Uses:	Used as a soil amendment, for agricultural purposes, and as source of Calcium, Sulphur and Zinc.

SECTION 2: HAZARD(S) IDENTIFICATION

Health Effects: No data available for the mixture. Information presented relates to individual ingredients.

SHORT TERM HAZARDS (Acute Exposure)

Swallowed:	Warning. Zinc sulphate monohydrate is harmful if swallowed. Ingestion of large quantities of calcium sulphate can cause irritability, nausea, dehydration and constipation. Lethal dose for an adult is estimated at over 1kg.
Eyes:	Danger. Zinc sulphate monohydrate may cause serious eye damage/irritation.
Skin:	Direct, prolonged or repeated contact of calcium sulphate dihydrate with skin may cause irritation. Rubbing of product against skin may cause abrasions. Rinse with water until free of material to avoid abrasions, and then wash thoroughly with soap and water.
Inhaled:	Dust will irritate the nose, throat and respiratory system. Symptoms include sneezing and slight nose irritation.



Environment: Zinc sulphate monohydrate is an acute hazard to the aquatic environment.

LONG TERM HAZARDS (Chronic)

Regular ingestion of more than 8g per day (Calcium Sulphate Dihydrate) reported to cause blood and kidney disorders.

Prolonged unprotected exposure to airborne dust is not advisable due to the possibility of respiratory illness.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name:	Proportion.
Calcium Sulphate Dihydrate:	> 90%
Anhydrous Calcium Sulphate:	< 3%
Zinc Sulphate Monohydrate	1%
Limestone:	< 3%
Crystalline Silica:	< 0.5%
Appearance:	Grey/Off White
Boiling Point/Melting Point:	238° C
Vapour Pressure:	Not applicable.
Specific Gravity:	2.32 kg./litre
Flashpoint:	Non-combustible (does not burn).
Flammability Limits:	Not applicable.
Auto-ignition Temperature:	Not applicable.
Odour:	No distinct odour.
Solubility in Liquids:	1.15%
OTHER PROPERTIES:	May react vigorously with acids resulting in generation of carbon Dioxide and sulphur dioxide, a simple asphyxiant. Incompatible with alum and ammonium salts. Zinc sulphate incompatible with strong bases.



SECTION 4: FIRST AID MEASURES

RECOMMENDED:

Swallowed:	Rinse mouth with water. Drink water if victim is conscious. Do not give water if victim is unconscious. Do NOT induce vomiting.
Eye:	Immediately flush eyes with water for at least 15 minutes. It is advisable to seek medical advice.
Skin:	Remove contaminated clothing and wash skin with soap and water.
Inhalation:	Take victim outside to fresh air and away from exposure.
ADVICE TO DOCTOR:	Product is industrial calcium sulphate dihydrate, with zinc sulphate monohydrate. Contact poisons information centre.

SECTION 5: FIREFIGHTING MEASURES

FIRE/EXPLOSION HAZARD

Decomposition Products: Oxides of carbon, calcium, zinc and sulphur.

Fire Fighting Recommendations

In case of small fire/explosion use:	Water. Ensure water does not reach waterways, drains or sewers.
In case of major emergency:	Dial 000.
Hazchem code:	None assigned.
Type of extinguisher or agent:	Water or as for other chemicals present.
Danger of violent reaction or Explosion?	No.
Protective clothing:	As for other chemicals present
Appropriate measures:	Dilute.
Evacuate?	No.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills & Disposal:	For disposal of small spillages, sweep up and remove with ordinary solid waste. For large spillages, contain using sand or earth, then transfer to salvage containers. Residues should be treated as for small spillages.
Caution:	Before dealing with spillage, take necessary protective measures, inform others to keep at a safe distance. Avoid generating dust. Carefully sweep up into container and dispose of with ordinary garbage.

SECTION 7: HANDLING AND STORAGE

Storage & Transport:	Ensure all bags are kept closed to protect against weather, sunlight and moisture. All bulk loads should be covered and protected from the elements.
Storage Temperature:	Room temperature.
UN Class:	None allocated.
Packaging Group:	None allocated.
UN Number:	None assigned.
EPG Number:	None assigned.
Correct Shipping Name:	OZGYPZINC
Storage Advice:	Store in a dry place. Keep container dry. Keep away from acids, alum and ammonium salts. Protect from physical damage. Clean up spills promptly, avoid secondary accidents.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Mechanical Precautions:	Consider local exhaust extraction to keep airborne contamination below TLV, along with sufficient ventilation.
Personal Protection:	Avoid contact with skin and eyes. Avoid inhaling the dust. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard: <ul style="list-style-type: none">• Dust mask• Goggles• Gloves, rubber or plastic• Overalls
Flammability:	Not flammable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour:	Off white to grey granule; No distinct odour.
Melting point:	238° C
Solubility in water:	1.15%
Evaporation rate :	Not Applicable.
Specific gravity (h ₂ o = 1):	2.32 kg./litre
pH:	7-8
Storage:	Keep away from moisture.

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable.
Incompatibility:	Acids, strong bases.
Hazardous polymerization:	Will not occur.
Hazardous decomposition:	Oxides of calcium, sulphur and zinc.



SECTION 11: TOXICOLOGY INFORMATION

Toxicology data : Not available on this product but anticipated to be very low with LD50 >5,000 mg/kg.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity : Relatively low risk. Zinc sulphate very toxic to aquatic life, however it is in relatively low concentration.

Persistence and degradability : Product is persistent and would have a low degradability.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal considerations : Pickup and reuse clean materials. Waste should be placed in containers and disposed of with other construction waste in accordance with local authority guidelines. Measures should be taken to prevent dust generation during disposal and exposure and personal precautions should be observed (see Section 8). Where applicable, dispose of bags in an approved landfill or incinerator.

SECTION 14: TRANSPORT INFORMATION

Hazardous materials description /proper shipping name: Not hazardous under Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia.

Hazard Class : Not applicable.

Hazchem Code / Identification Number : Not applicable.

Required Label Text : Not applicable.

Hazardous Substances / Reportable Quantities (Rq) : Not applicable.

Marine Pollutant : No pollutant.



SECTION 15: REGULATORY INFORMATION

Poisons Schedule: Non-Scheduled.

SECTION 16: ANY OTHER RELEVANT INFORMATION

Contact Point: Advantage Agriculture Pty Limited
Pasquale Rombola – Director & Chairman
PO Box 1529, SUNSHINE PLAZA, QLD, 4558
Telephone 1300 562 182

24 Hour Emergency No's: +61 413 239 630

Emergency Services: Dial 000.

Prepared by: Brian Foster, Technical Manager for Advantage Agriculture Pty Ltd
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Initial Approved Date: 20/01/2020 (Brian Foster – Technical Manager)

DISCLAIMER:

This product should only be used by qualified personnel. While the information provided in this material safety data sheet is believed to provide a useful summary of the hazards of this product as it is commonly used, the sheet cannot anticipate and provide all of the information that may be needed in every situation. Inexperienced personnel should obtain proper training before using this product.

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Pasquale Rombola

Signature Management Representative Date