



SAFETY DATA SHEET

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	ZINC OXIDE PLUS™
Other names:	Zinc Oxide
Chemical Formula:	ZnO
Product Code:	8270010
Recommended Use:	Animal Health product
Company Identification: Address:	Ravensdown Fertiliser Co-operative Limited Level 1, 32 Oxford Terrace PO Box 1049 Christchurch
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Telephone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency Phone:	111 - tell operator what service is needed: Fire, Ambulance, Police

Section 2: HAZARD IDENTIFICATION

Hazard Classifications:	9.1A, 9.3C
Priority Identifiers:	WARNING KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers:	9.1A = Very toxic to aquatic organisms 9.3C = Harmful to terrestrial vertebrates

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Zinc Oxide	1314-13-2	99%
Calcium Lignosulphonate	8061-52-7	1%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation:	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed rinse mouth but DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.
Skin:	Remove contaminated clothing then wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.



Eye:	Flush with plenty of water holding eyelids open if necessary. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes.
Advice to Doctor:	No specific antidote. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	N/A (Non-flammable)
Combustion Products:	N/A
Extinguishing Media:	Based on surrounding materials
Protective Equipment:	Breathing apparatus plus protective gloves
HAZCHEM Code:	ZZ

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and sweep up. Dispose of waste safely in an approved landfill.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precaution:	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Approved Handler: Not required Tracking: Not required Record Keeping: Not required
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs.
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	N/A
Protective Equipment:	Overalls, dust masks, goggles and gloves.
Engineering Controls:	Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of dust.
Hygiene Precautions:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder
Odour:	Odourless
Specific Gravity:	5.61
pH:	N/A
Solubility in Water:	Insoluble



Flash Point: N/A

Melting Point Sublimation at 1975°C

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions. When stored appropriately this product should show no significant degradation for at least 3 years from the date of manufacture.

Hazardous Polymerisation: Hazardous polymerisation is not likely to occur

Hazardous Decomposition Products: N/A

Conditions to Avoid: N/A

Materials to Avoid: Acids and alkalis

Section 11: TOXICOLOGICAL INFORMATION

ERMA Classifications: N/A

Ingestion: No LD50 data available for the product however for:
Zinc Oxide Oral LD50 (mouse) 7950mg/kg
Calcium Lignosulphonate Oral LD50 (rat) >5000mg/kg

Inhalation: No known significant effects or critical hazards

Skin: No known significant effects or critical hazards

Eye: No known significant effects or critical hazards

Chronic Effects: No known significant effects or critical hazards

Reproductive Toxicity: N/A

Mutagenicity: Non-mutagenic

Carcinogenicity: Based on the results of animal studies not considered to be carcinogenic

Section 12: ECOLOGICAL INFORMATION

ERMA Classifications: 9.1A, 9.3C

Ecotoxicity: Toxic to aquatic organisms and harmful to terrestrial vertebrates

Bioaccumulation: Unlikely to bio-accumulate.

Section 13: DISPOSAL INFORMATION

Product Disposal: Dispose of product only by using according to label or at an approved landfill

Container Disposal: Burn container in an appropriate incinerator if circumstance, such as wind direction permit. Otherwise bury in an approved landfill. Do not use container for any other purpose.

**Section 14: TRANSPORT INFORMATION**

RAIL/ROAD:	UN Number: 3077 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Zinc Oxide) DG Class: 9 Packing Group: III Marine Pollutant: No
SEA (IMDG Code):	UN Number: 3077 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Zinc Oxide) DG Class: 9 Packing Group: III Marine Pollutant: No
AIR: (ICAO/IATA)	UN Number: 3077 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Zinc Oxide) DG Class: 9 Packing Group: III Marine Pollutant: No

Section 15: REGULATORY INFORMATION

ACVM:	Registered pursuant to the ACVM Act 1997, No A9412
ERMA:	Approved pursuant to the HSNO Act 1996, Approval number HSR002054 See www.erna.govt.nz for approval controls.

Section 16: OTHER INFORMATION

This SDS supersedes all previous versions and was reviewed to include HSNO requirements.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.