

# VETPAK SAFETY DATA SHEET

## Section 1: Identification of the Substance or Mixture and of the Supplier

**Product Name:** ZINC 2 GO

**Other Names:** Zinc Sulphate (ZnSO<sub>4</sub>) Heptahydrate Solution

**Recommended Use:** Suitable for use in sheep to help treat and prevent footrot and lumpy wool.

**Company Details:** Vetpak Ltd.

**Address:** 249 Bruce Berquist Drive Te Awamutu.

**Telephone Number:** (07) 870 2024

**Emergency Telephone Number: (0800) 764-766 24 hours.** National Poisons Centre, Department of Preventative and Social Medicine, University of Otago, P O Box 913, Dunedin, New Zealand. Phone (07) 870 2024 Vetpak. 8.00am to 5.00pm Monday to Friday except public holidays.

**Date of Preparation:** 20<sup>th</sup> September 2019

## Section 2: Hazards Identification

### STATEMENT OF HAZARDOUS NATURE

This product is **HAZARDOUS IN THIS FORM AND AT THIS STRENGTH.**  
Handle correctly and as directed by this SDS.

### HAZARD LABELLING WARNING



### HAZARD CLASSIFICATION AND STATEMENTS

HSNO	HSNO	GHS	Signal Word	GHS Hazard Statement
6.1E	Acute toxicity	Category 5	Warning	H303; H313; H333 May be harmful if swallowed; in contact with skin; if inhaled
6.4A	Serious eye damage / eye irritation	Category 2	Warning	H319 Causes serious eye irritation
9.1A	Very ecotoxic in the aquatic environment	Category 1	Warning	H400 Very toxic to aquatic life

### Prevention Statements:

P102: Keep out of reach of children

P103: Read label before use

P264: Wash hands thoroughly after handling

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

## Section 3: Composition / Information on Ingredients:

### COMPOSITION

Ingredient	CAS Number	% w/w	HAZARDOUS
Water	7732-18-5	>60	No
Zinc Sulphate Heptahydrate	7446-20-0	30-60	Yes 6.1D; 6.9B; 8.3A; 9.1A; 9.3C

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## Section 4: First Aid Measures:

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**Swallowed:** Rinse mouth out with water. Give plenty of water to drink. DO **NOT** induce vomiting. If symptoms persist, contact a doctor.

**Skin:** Remove contaminated clothing. Wash affected area with non-abrasive soap and plenty of water. If irritation persists, contact a doctor.

**Eye:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor / physician.

**Inhaled:** Remove victim from exposure to fresh air. If rapid recovery does not occur, consult a doctor.

**Notes for Medical Personnel:** No medical information available on medical conditions which are aggravated from exposure to this product.

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## Section 5: Fire Fighting Measures

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**Type of Hazard:** Non-flammable.

**Fire Hazard Properties:** Contain runoff from fire control or dilution water - runoff may pollute waterways.

**Extinguishing Media & Methods:** Use appropriate extinguishing media most suitable for surrounding fire conditions.

**Recommended Protective Clothing:** Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

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## Section 6: Accidental Release Methods

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**Emergency Procedures:** Personnel involved in the clean up should wear full protective clothing. Increase ventilation. Contain spill if safe to do so. DO NOT let product reach drains or waterways. If product does enter a waterway, advise local and regional authorities.

**Methods and Materials for Containment and Clean up.** Contain and sweep/shovel up spills with binding material. Transfer to a suitable, labeled container and hold for safe disposal.

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## Section 7: Handling and Storage

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**Handling:** Ensure an eye bath and running water are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

**Storage:** Store in original labelled packaging and in a cool dry well ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from foodstuffs and incompatible materials (water, acids).

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## Section 8: Exposure Controls / Personal Protection

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**Workplace Exposure Standards:** None

**Engineering Controls:** Ensure an eye bath and running water are available and ready for use

**Personal Protective Equipment (PPE):** RESPIRATORY: Wear a respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. EYE/FACE: Chemical goggles. HAND: Impervious gloves. SKIN/BODY: Overalls, safety shoes.



**General hygiene:** Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

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## Section 9: Physical and Chemical Properties

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**Appearance (physical state, colour etc.):** Liquid

**Odour:** No data

**pH:** No data

**Melting Point/Freezing Point (°C):** No data

**Boiling Point (°C):** No data

**Flash Point (°C):** No data

**Flammability:** Not flammable

**Lower Flammability/Explosive Limit:** N/A

**Upper Flammability/Explosive Limit:** N/A

**Auto-ignition Temperature (°C):** N/A

**Vapour Pressure:** No data

**Vapour Density:** No data

**Relative Density:** No data

**Solubility in Water:** Soluble.

**Specific Gravity:** No data

**Viscosity:** No data

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## Section 10: Stability and Reactivity

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**Stability of the Substance:** Product is stable under normal conditions of use and storage.

**Conditions to avoid:** Avoid excessive heat, moisture and high temperatures.

**Material to avoid:** None

**Hazardous decomposition Products:**

**Hazardous polymerization:** Does not occur.

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## Section 11: Toxicological Information

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### Acute Effects:

**Swallowed:** Moderately toxic to humans by ingestion. May cause gastro-intestinal irritation with nausea, vomiting and diarrhea.

**Skin:** Prolonged or repeated skin contact may cause irritation and/or dermatitis.

**Eye:** May cause irritation.

**Inhaled:** Inhalation of [Zinc] fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count. Can produce delayed pulmonary edema. Effects may be delayed.

### Chronic Effects:

**Irritation/Corrosion:** Skin irritation

**Carcinogenicity:** Not carcinogenic.

**Mutagenic Effects:** Not suspected of causing genetic defects

**Reproductive or developmental effects:** None.

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## Section 12: Ecological Information

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**Potential Environmental Considerations:** Avoid contaminating waterways, drains and sewers.

**Ecotoxicity in water:** Considered harmful to aquatic life (Zinc component)

**Chronic:** No Data

**Phytotoxicity:** No Data

**Persistence and Degradability:** Persistence unlikely.

**Mobility:** No Data.

**Bioaccumulation:** No Data

**BOD and COD:** No Data

**Products of Biodegradation:** No Data

**Toxicity of the Products of Biodegradation:** No Data

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## Section 13: Disposal Considerations

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**Disposal Information:** Dispose of in accordance with all local, and regional regulations.

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## Section 14: Transport Information

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**Hazard Class:** 6.1E; 6.4A; 9.1A

**UN Number:** None

**Packing Group:** None

**Hazchem Code:** None

**Land Transport:** Check regulations

**Sea Transport:** Check regulations

**Air Transport:** Check regulations

**Other Information:**

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## Section 15: Regulatory Information

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**HSNO Approval Number:**

**HSNO Classifications:**

6.1E (Acutely toxic)

6.4A (Serious eye damage/irritation)

9.1A (Aquatic toxicity)

**Regulatory status:**

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## Section 16: Other Information

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### Interpretation and Abbreviations

Controls applying to a substance:

- \* denotes that changes have been made to these controls, further information on these changes is located in the transfer notice for that substance,
- ( R ) abbreviation for the term Regulation of the Hazardous Substances regulations

AICS – Australian Inventory of Chemical Substances

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AOX – Absorbable organic halogens.  
APF – Assigned Protection Factor.  
BOD – Biochemical Oxygen Demand China  
COD – Chemical Oxygen Demand  
DSL – Canadian Domestic Substances List.  
EC50 – Half maximal effective concentration. The concentration of a toxicant which induces a response halfway between the baseline and maximum after a specified exposure time.  
EINECS – European Inventory of Existing Commercial Chemical Substances.  
ENCS – Japanese Existing and New Chemical substances.  
IARC – International Agency for Research on Cancer.  
IDLH – Immediately Dangerous to Life or Health Concentrations.  
ISHL – Japanese Industrial Safety and Health Law List of Chemicals.  
LOEL – Lowest Observed Effect Level.  
LD<sup>50</sup> – Lethal Dose sufficient to kill 50 percent of the test population within a certain time  
LD<sub>LO</sub> – Lethal Dose Low (the lowest dosage per unit of bodyweight of a substance known to have resulted in fatality in a particular animal species).  
MAK – Maximum workplace concentration in the workplace air that generally does not have known adverse effects on the health of the employee nor cause unreasonable annoyance when a person is repeatedly exposed during long periods, usually 8 hours daily, 40hour working week).  
NOAA – National Oceanic and Atmospheric Administration.  
NOEC – No Observed Effect Concentration.  
NTP – National Toxicology Program.  
NZIoC – New Zealand Inventory of Chemicals.  
OECD HPV – The Organisation for Economic Co-operation and Development High Product Volume Chemicals.  
PEL – Permissible exposure limit.  
PPE – Personal Protective Equipment.  
Prop 65 – California Proposition 65 List of Chemicals.  
RTECS – Registry of Toxic Effects of Chemical substances  
STEL – Short term exposure limit.  
TOC – Total Organic Carbon.  
TSCA – US Toxic Substances Control Act Existing Chemicals.  
TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.  
VOC – Volatile Organic Compounds.

**Date of Preparation/Review:** 20<sup>th</sup> September 2019

**Sources of key data used to compile the datasheet:**

Manufacturers SDS  
NZ EPA CCID  
Health and Safety at Work (Hazardous Substances) Regulations 2017  
Hazardous Substances (Minimum Degrees of Hazard) Notice 2017  
Hazardous Substances (Safety Data Sheets Notice 2017  
Hazardous Substances (Classification) Notice 2017  
Labelling of Hazardous Substances Technical Guide 2012

**DISCLAIMER**

*The information contained in this safety data sheet was obtained from current and reliable sources. This data is supplied without warranty, expressed or implied, regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.*

**END OF SDS**