

VETPAK SAFETY DATA SHEET

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

Product Name: Zinc Suspension "50"

Recommended Use: Dietary supplement, animal feeds.

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: 23rd July 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	Acutely Toxic	Category 5	Warning	H303 May be harmful if swallowed
9.1A	Very ecotoxic in the aquatic environment	Category 1	Warning	H400 Very toxic to aquatic life
9.3C	Harmful to terrestrial vertebrates	None	None	H433 Harmful to terrestrial vertebrates

Prevention Statements:

P102 & P103: Keep out of reach of children & Read label before use.

P273: Avoid release to the environment

Section 3: Composition / Information on Ingredients:

COMPOSITION

Ingredient	CAS Number	% w/w	HAZARDOUS
Water	7732-18-5	30-60	No
Zinc Oxide	1314-13-2	30-60	Yes 9.1A; 9.3C
Sorbitol 70	50-70-4	10-30	Yes 6.1D
Monopropylene Glycol	57-55-6	<10	No
Seaweed Flake	84775-78-0	<10	No
Potassium Sorbate	24634-61-5	<10	Yes 6.1E; 6.4A
Xanthan Gum	11138-66-2	<10	No
Chemidet 24-7N/90	68439-50-9	<10	Yes 6.1E; 6.3B
Panapple 606	25322-69-4	<10	6.1D; 6.4A; 9.3C

VETPAK SAFETY DATA SHEET

Section 4: First Aid Measures:

Description of necessary first Aid measures:

Swallowed: Immediately rinse mouth with water, then give 2-4 cups of water to drink provided person is conscious and alert. Do NOT induce vomiting. Seek medical aid.

Skin: Remove contaminated clothing. Flush affected area with plenty of water. If irritation persists, seek medical aid.

Eye: Immediately flush eyes with plenty of water holding eyelids open. Seek medical aid.

Inhaled: Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek IMMEDIATE medical aid! Do NOT use mouth-to-mouth resuscitation if breathing has ceased - use a suitable mechanical device such as a bag and mask.

Aggravated medical conditions caused by exposure: Persons with pre-existing skin or respiratory disorders may be more susceptible to the effects from this product.

Notes for Medical Personnel: Treat symptomatically based on individual reactions of patient and judgment of doctor.

Section 5: Fire Fighting Measures

Fire Hazard Properties: Not flammable.

Extinguishing Media & Methods: In case of fire, 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.

Section 6: Accidental Release Methods

Emergency Procedures: Personnel involved in the clean up should wear full protective clothing. Stop leak if safe to do so. Do not allow product to reach drains, sewers or waterways. If product does enter a waterway advise the your local government authority.

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.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling.

Storage: Store in original packaging 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 incompatible materials including magnesium, chlorinated rubber, and linseed oil.

Section 8: Exposure Controls / Personal Protection

Workplace Exposure Standards: N/A.

Engineering Controls: None required.

Subsection 3: Personal Protective Equipment (PPE): EYES: Chemical safety goggles approved to EN166. HANDS: Suitable gloves to prevent skin exposure (EN374). CLOTHING: Chemical resistant coveralls and boots to prevent skin exposure.



General hygiene: Wash thoroughly after handling.

VETPAK SAFETY DATA SHEET

Section 9: Physical and Chemical Properties

Appearance (physical state, colour etc.): White or pale yellow-white liquid suspension.

Odour:

pH:

Melting Point/Freezing Point (°C):

Boiling Point (°C):

Flash Point (°C):

Flammability: Not flammable

Lower Flammability/Explosive Limit:

Upper Flammability/Explosive Limit:

Auto-ignition Temperature (°C):

Vapour Pressure:

Vapour Density:

Relative Density:

Solubility in Water: Insoluble.

Specific Gravity: 1.44 (water = 1)

Viscosity:

Section 10: Stability and Reactivity

Stability: Product is stable at room temperature in closed containers under normal conditions of use and storage. Absorbs carbon dioxide from the air.

Conditions to avoid: Avoid excessive heat, generating dust, direct sunlight, moisture, static discharges and high temperatures.

Material to avoid: Incompatible with magnesium, chlorinated rubber, linseed oil and sources of ignition.

Hazardous decomposition Products: Product will emit toxic fumes of zinc oxide which is harmful by inhalation.

Hazardous polymerization: Hazardous polymerization has not been reported.

Section 11: Toxicological Information

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: Dust may cause mechanical irritation. May cause chemical conjunctivitis.

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.

VETPAK SAFETY DATA SHEET

Section 12: Ecological Information

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: No Data

Mobility: No Data

Bioaccumulation: No Data

BOD and COD: No Data

Products of Biodegradation: No Data

Toxicity of the Products of Biodegradation: No Data

Section 13: Disposal Considerations

Disposal Information: Dispose of in accordance with all local government regulations.

Section 14: Transport Information

Hazard Class: 6.1E; 9.1A; 9.3C

UN Number: None

Packing Group: None

Hazchem Code: None

Land Transport: Check regulations

Sea Transport: Check regulations

Air Transport: Check regulations

Other Information:

Section 15: Regulatory Information

HSNO Approval Number: N/A

HSNO Classifications:

6.1E (Acutely toxic)

9.1A (Very ecotoxic in the aquatic environment)

9.3C (Harmful to terrestrial vertebrates)

Regulatory status:

Section 16: Other Information

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

AOX – Absorbable organic halogens.

VETPAK SAFETY DATA SHEET

APF – Assigned Protection Factor.
BOD – Biochemical Oxygen Demand China
COD – Chemical Oxygen Demand
DSL – Canadian Domestic Substances List.
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_{Lo} – 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: 23 July 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