

VETPAK SAFETY DATA SHEET

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

Product Name: Potassium Sorbate

Other Names: 2,4-Hexadienoic Acid

Recommended Use: Food preservative and cosmetic applications

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: 19th August 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.

EPA HSNO New Zealand approval code: HSR002739

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 |
| 6.4A | Eye irritant | Category 2 | Warning | H319 Causes serious eye irritation |

Prevention Statements:

P102: Keep out of reach of children

P103: Read label before use.

P264: Wash hands thoroughly after handling

P280: Wear protective gloves, clothing, eye and face protection

Hazard Statements: Causes skin irritation. Causes serious eye irritation.

Section 3: Composition / Information on Ingredients:

COMPOSITION

| Ingredient | CAS Number | % w/w | HAZARDOUS |
|-------------------|------------|-------|----------------|
| Potassium Sorbate | 24634-61-5 | 100 | Yes 6.1E; 6.4A |

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Section 4: First Aid Measures:

Swallowed: Rinse mouth with water if swallowed. Do NOT induce vomiting. Give a glass of water. Seek medical advice.

Skin: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before re-use. Thoroughly clean shoes before re-use. Get medical attention if irritation develops.

Eye: Immediately flush eyes with copious amounts of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Inhaled: Remove to fresh air. Get medical attention for any breathing difficulty.

Workplace Facilities: Ensure an eye bath and washroom facilities are available.

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

Section 5: Fire Fighting Measures

Type of Hazard: Not considered to be an explosions hazard or to be a fire hazard.

Extinguishing Media & Methods: Use any means suitable for extinguishing surrounding fire.

Recommended Protective Clothing: Fire-fighters should wear full protective clothing and self-contained breathing apparatus.

Hazards from combustion products: Not considered to be a fire, or explosion hazard. Stable under normal conditions of use or storage. Avoid incompatible products.

Section 6: Accidental Release Methods

Procedures to be covered: Ventilate area of leak or spill. Sweep and containerise for reclamation of disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Section 7: Handling and Storage

Handling: Ensure an eye bath and wash room facilities are available and ready for use.

Storage: Keep in tightly closed container, stored in a cool, dry, well ventilated area. Isolate from incompatible substances. Prolonged storage is not recommended because of possible degradation problems. Store away from sources of heat or ignition. Protect from exposure to the light. Check regularly for spills.

Section 8: Exposure Controls / Personal Protection

Workplace Exposure Standards: None. Nuisance Dusts: 8hr TWA 10.0 mg/m³ (Inhalable dust)

Engineering Controls: A system of local and / or general exhaust is recommended to keep employee exposures below the airborne exposures limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into general work area.

Personal Protective Equipment (PPE): RESPIRATORY: Wear a dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. EYE/FACE: Safety glasses with side shields or chemical goggles AS/NZS 1337. HAND: Impervious gloves AS/NZS 2161. SKIN/BODY: Overalls, safety shoes.



Hygiene Measures: Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking smoking or using the toilet facilities.

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Section 9: Physical and Chemical Properties

Appearance (physical state, colour, etc.): Solid, white or off-white powder.

Odour: None

Boiling Point / Melting Point: Decomposes without boiling / 132 – 270°C

Specific Gravity: 3.13 (H₂O = 1)

Flash Point: Non-combustible solid.

Flammability: Non-combustible solid.

Flammable Limits: Not applicable.

Ignition temperature: Not applicable.

pH: 8.0 – 11.0 (5% solution).

Solubility in Water: 500 – 600 g/l

Section 10: Stability and Reactivity

Stability of the Substance:

Conditions to avoid: Avoid moisture, air light and incompatibles.

Material to avoid: Keep away from incompatibles such as oxidising agents

Hazardous decomposition Products: oxides of carbon. Oxides of potassium

Hazardous polymerization: Will not occur.

Section 11: Toxicological Information

Acute Effects:

Acute toxicity (Oral): LD50, Rat: >2,000 mg/kg

Swallowed: Large oral doses may cause vomiting.

Skin: May cause irritation with redness and pain.

Eye: May cause irritation, redness and pain.

Inhaled: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

Chronic Effects: Not known

Chronic Toxicity: Not known.

Irritation/Corrosion: Not known.

Carcinogenicity: Not known to be a carcinogen.

Mutagenic Effects: Not suspected of causing genetic defects.

Reproductive or developmental effects: Not known.

Section 12: Ecological Information

Potential Environmental Considerations: Not known to be hazardous to the environment. Avoid release to waterways, sewers and storm water drains as good practice.

Ecotoxicity in water: No data

Chronic: No data

Phytotoxicity: No Data

Persistence and Degradability: Persistence unlikely, Biodegradable.

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Mobility: No data.

Bioaccumulation: Not likely.

BOD and COD: No Data

Products of Biodegradation: No Data

Toxicity of the Products of Biodegradation: No Data

Section 13: Disposal Considerations

Disposal Information: Whatever can not be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dispose of container in accordance with local, regional and government regulations.

Section 14: Transport Information

Hazard Class: 6.1E; 6.4A

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: HSR002739

HSNO Classifications:

6.1E (Acute toxicity)

6.4A(Eye irritant)

Regulatory status: None

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.

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.

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ISHL – Japanese Industrial Safety and Health Law List of Chemicals.

LOEL – Lowest Observed Effect Level.

LD⁵⁰ – Lethal Dose sufficient to kill 50 percent of the test population within a certain time

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: 19th August 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