

# VETPAK SAFETY DATA SHEET

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

**Product Name:** Iodine Combo Drench for Sheep and Goats – High Selenium

**Recommended Use:** As a nutritional supplement for sheep and goats.

**Company Details:** Vetpak Ltd.

**Address:** 249 Bruce Berquist Dr, Te Awamutu 3800.

**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.  
**(07) 870 2024** Vetpak. 8.00am to 5.00pm Monday to Friday except public holidays.

**Date of Preparation:** 16<sup>th</sup> 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
6.1D	Acute toxicity (All)	Category 4	Warning	H302; H312; H332 Harmful if swallowed; in contact with skin; if inhaled
6.4A	Serious eye damage/ eye irritation	Category 2	Warning	H319 Causes serious eye irritation
6.5B	Skin sensitisation	Category 1	Warning	H317 May cause an allergic skin reaction
6.6B	Germ cell mutagenicity	Category 2	Warning	H341 Suspected of causing genetic defects
9.1A	Very ecotoxic in aquatic environment	Category 1	Warning	H410 Very toxic to aquatic life with long lasting effects
9.2D	Harmful in soil environment			

### Prevention Statements:

P102: Keep out of reach of children.

P103: Read label before use.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapours/ spray

P264: Wash hands thoroughly after use.

P270: Do not eat, drink or smoke when handling this product.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

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

# VETPAK SAFETY DATA SHEET

## Section 3: Composition / Information on Ingredients:

### COMPOSITION

Ingredient	CAS Number	% w/w	HAZARDOUS
Water (micro-filtered)	7732-18-5	30-60	No
Potassium Iodide	7681-11-0	30-60	Yes 6.5B; 9.1B
Copper Chelate	14025-15-1	<10	Yes 6.1E; 6.3A; 6.4A; 6.5B; 6.7B; 6.8B; 6.9A; 9.1B
Zinc Chelate	14025-21-9	<10	Yes 6.1D; 6.1E
Cobalt Chelate	15147-09-04	<10	Yes 6.1D; 6.3A; 6.4A; 6.5B; 6.7B; 6.8B; 6.9A; 9.1A; 9.3B
Sodium Selenate	13410-01-0	<10	Yes 6.1B; 6.4A; 6.6B; 6.9A; 9.1A; 9.2A; 9.3A
Brilliant Blue Dye	3844-45-9	<10	Yes 6.3B; 6.4A

## Section 4: First Aid Measures:

### Description of necessary first Aid measures:

**Swallowed:** Wash mouth out with water. **DO NOT** induce vomiting. Never give anything by mouth to an unconscious person. If swallowed immediately call a poisons centre or doctor / physician.

**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. Remove contact lenses if easy and safe to do. Continue flushing. 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 flammable.

**Fire Hazard Properties:** Not considered to be a fire, or explosion hazard. Stable under normal conditions of use or storage. Avoid incompatible products.

**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.

## Section 6: Accidental Release Methods

**Procedures to be covered:** Ventilate area of leak or spill. Contain and absorb with material such as sawdust or sand. Store in labelled containers for disposal. Dispose of in accordance with local and regional regulations.

# VETPAK SAFETY DATA SHEET

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## Section 7: Handling and Storage

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

**Storage:** Keep in original labelled container with the lid tightly closed. Store in a cool, dry, well ventilated area. Isolate from incompatible substances. Incompatible substances are: diazonium salts, diisopropyl peroxydicarbonate, oxidants, bromine and chlorine trifluorides, fluorine perchlorate, calomel (mercurous chloride), potassium chlorate, metallic salts, tartaric and other acids.

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## Section 8: Exposure Controls / Personal Protection

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**Workplace Exposure Standards:** No specific workplace standards are established.

**Engineering Controls:** No specific engineering controls.

**Ventilation specification:** No specific ventilation standards are established.

**Personal Protective Equipment (PPE):** Wear protective gloves/clothing and eye / face protection.



**General hygiene:** Do not eat, drink or smoke when handling this product.

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## Section 9: Physical and Chemical Properties

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**Appearance (physical state, colour etc.):** Greenish dense liquid.

**Odour:**

**pH:**

**Melting Point/Freezing Point (°C):**

**Boiling Point (°C):** approximately

**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:** Totally soluble.

**Specific Gravity:** 1.40 (water = 1)

**Viscosity:**

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# VETPAK SAFETY DATA SHEET

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## Section 10: Stability and Reactivity

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**Stability of the Substance:** Stable under normal conditions of temperature and storage.

**Material to avoid:** Keep away from incompatibles such as diazonium salts, diisopropyl peroxydicarbonate, oxidants, bromine and chlorine trifluorides. fluorine perchlorate, calomel (mercurous chloride), potassium chlorate, metallic salts, tartaric and other acids.

**Hazardous decomposition Products:** Hazardous decomposition products include oxides of the contained metal and halogen, possibly also free or ionic halogen.

**Hazardous polymerization:** Does not occur.

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## Section 11: Toxicological Information

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**Swallowed:** Oral doses may cause irritation to the gastro-intestinal tract.

Allergic effects: Iodides can give rise to allergic reactions: urticaria, angioedema, cutaneous haemorrhage or purpuras, fever, arthralgia, lymphadenopathy and eosinophile, acne-form or severe eruptions.

**Skin:** May cause allergy, irritation with redness and pain.

Allergic effects: Iodides can give rise to allergic reactions: urticaria, angioedema, cutaneous haemorrhage or purpuras, fever, arthralgia, lymphadenopathy and eosinophile, acne-form or severe eruptions.

**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:** Chronic ingestion of iodides may produce iodism which may be characterised by skin rash, running nose, headaches, and irritation of mucus membranes. Weakness, anaemia, loss of weight, and general depression may also occur

**Chronic Toxicity:**

**Irritation/Corrosion:** Skin allergy and irritation

**Carcinogenic Effects:** Not known

**Mutagenic Effects:** Suspected of causing genetic defects

**Reproductive or developmental effects:** May cause damage through dermal exposure

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## Section 12: Ecological Information

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**Potential Environmental Considerations:** Very harmful to aquatic life

**Ecotoxicity in water:**

**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

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# VETPAK SAFETY DATA SHEET

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## Section 13: Disposal Considerations

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**Disposal Information:** Triple rinse containers to use. Crush and dispose to an approved landfill area in accordance with local government regulations, or recycle if possible. Dispose of spilled material in accordance with local government regulations.

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## Section 14: Transport Information

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**Hazard Class:** 6.1E; 6.4A; 6.5B; 6.6B; 9.1A; 9.2D

**UN Number:**

**Packing Group:**

**Hazchem Code:**

**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:** N/A

**HSNO Classifications:**

6.1E (Acutely toxic)

6.4A (Irritating to the eye)

6.5B (Contact Sensitiser)

6.6B (Suspected human mutagen)

9.1A (Aquatic ecotoxic)

9.2D (Soil ecotoxic)

**Regulatory status:** This product is exempt from registration, being an oral nutritional compound compliant with S4 of the ACVM regulations 2001.

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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

AOX – Absorbable organic halogens.

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<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).

# VETPAK SAFETY DATA SHEET

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:** 16 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**