

VETPAK SAFETY DATA SHEET

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

Product Name: STOCK IODINE 10%

Recommended Use: For the oral nutritional supplementation of iodine in all types of stock including poultry.

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 Revision: 16 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
Potassium Iodide >3 – 25% in a non hazardous diluent HSR006638				
6.5B	Contact Sensitiser	Category 1	Warning	H317 May cause an allergic skin reaction
9.1C	Aquatic Toxicity (Chronic)	Category 3		H412 Harmful to aquatic life with long-lasting effects
Iodine >1 – 3% in a non hazardous diluent HSR006447				
6.3A	Irritating to the skin	Category 2	Warning	H315 Causes skin irritation
6.4A	Irritating to the eye	Category 2	Warning	H319 Causes serious eye irritation
6.5B	Contact Sensitiser	Category 1	Warning	H317 May cause an allergic skin reaction
6.9B	Harmful to human target organs or systems	Category 2	Warning	H371 May cause damage to organs through dermal exposure

GHS Prevention Statements

- P102: Keep out of reach of children
P103: Read label before use
P233: Keep container tightly closed
P261: Do not breathe dust/fume/gas/mist/vapours/spray
P264: Wash hands thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P272: Contaminated work clothing should not be allowed out of the workplace
P273: Avoid release to the environment.
P280: Wear protective gloves/clothing and eye/face protection

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Section 3: Composition / Information on Ingredients:

COMPOSITION

Ingredient	CAS Number	% w/w	HAZARDOUS
Water	7732-18-5	30-60	No
Potassium Iodide	7681-11-0	10-30	Yes 6.5B; 9.1B
Iodine	7553-56-2	<10	Yes 6.1D; 6.5B; 6.9B; 8.2C; 8.3A; 9.1A; 9.3C

Section 4: First Aid Measures:

Description of necessary first Aid measures:

Swallowed: Do not induce vomiting. If victim is conscious and alert give 2 – 4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Skin: Flush skin with plenty of water, while removing contaminated clothing. Wash clothing before re-use.

Eye: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Inhaled: Remove from exposure and move to fresh air immediately. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Workplace Facilities: Eye bath and running water.

Notes for Medical Personnel: Treat symptomatically and supportively. Persons with skin or eye disorders or liver, kidney, chronic respiratory diseases may be at increased risk from exposure to this substance. Replace fluid and electrolytes.

Section 5: Fire Fighting Measures

Type of Hazard: This product is non-flammable.

Fire Hazard Properties: None

Extinguishing Media & Methods: Use media appropriate to surrounding fire.

Recommended Protective Clothing: Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes, dust or products of combustion.

Section 6: Accidental Release Methods

Procedures to be covered: For spills, dam and recover. Prevent entry into drainage systems, rivers, etc. Collect with absorbent material such as sand, sawdust or soil into labelled containers. Collect the contaminated material and dispose of in a landfill site approved for pesticides. Treat spill area with plenty of water.

Section 7: Handling and Storage

Handling Practices: Use only with adequate ventilation.

Storage: Store away from food. Keep out of reach of children. Store in the original, labelled container with the lid tightly closed.

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Section 8: Exposure Controls / Personal Protection

Workplace Exposure Standards:

For Iodine: TWA Ceiling 0.1ppm (0.1 mg/M³).

Engineering Controls: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards.

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



General hygiene: Do not eat, drink or smoke when handling this product. Wash hands after use.

Section 9: Physical and Chemical Properties

Appearance (physical state, colour etc.): Brown liquid.

Odour: Pungent Iodine

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: Totally soluble.

Specific Gravity: 1.334 (water = 1)

Viscosity:

Section 10: Stability and Reactivity

Stability of the Substance: Product is considered stable under normal handling conditions.

Materials to avoid: Segregate from strong acids and alkalis. Segregate from acetaldehyde, ammonia, acetylene, aluminium and metals such as lithium, barium, magnesium, sodium, zinc, antimony and potassium.

Hazardous decomposition Products: Not known.

Hazardous polymerization: Will not occur.

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Section 11: Toxicological Information

Acute Effects:

Swallowed: Swallowing of large quantities can result in gastric irritation.

Skin: Repeated exposure can cause sensitisation.

Eye: Contact may cause irritation.

Inhaled: Not normally a hazard due to non-volatile nature of product. The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation.

Acute Toxicity Data: Not known

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.

Reproductive toxicity: There is no evidence that exposure to this material will result in any effects to the unborn baby.

Mutagenicity: Non-mutagenic.

Carcinogenicity: Not considered to be carcinogenic.

Section 12: Ecological Information

Potential Environmental Considerations: Harmful to aquatic life with long-lasting effects.

Ecotoxicity in water: No data

Products of Degradation: No data

Section 13: Disposal Considerations

Disposal Information: Triple rinse container. Recycle containers if possible. Otherwise crush and dispose in accordance with local government regulations in an approved landfill site.

Section 14: Transport Information

Hazard Class: 6.3A; 6.4A; 6.5B; 6.9B; 9.1C

UN-No:

Packing Group:

Hazchem Code:

Proper Shipping Name: IODINE 10%

Segregation:

Marine:

Air Transport:

Section 15: Regulatory Information

HSNO Approval Number: N/A

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

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

BOD – Biochemical Oxygen Demand

COD – Chemical Oxygen Demand

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.

LOEL – Lowest Observed Effect Level.

LC⁵⁰ – Lethal concentration sufficient to kill 50 percent of the test population within a certain time

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).

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.

RTECS – Registry of Toxic Effects of Chemical substances

STEL – Short term exposure limit.

TC^{LO} – Toxic concentration low (the lowest concentration of a substance known to have resulted in fatality in a particular animal species)

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 (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