

Version 1.1

Issue date 27/08/2024

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Identifier

Product Name	Stock Iodine 2.5 %
Other Names	None
Proper Shipping Name	Iodine 2.5%
Other means of Identification	None

Relevant identified uses of the substance or mixture

Relevant identified uses	For the oral nutritional supplementation of iodine in all types of stock including poultry
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Details of the supplier of the safety data sheet

Registered company name	Vetpak Limited
Address	249 Bruce Berquist Dr, Te Awamutu 3800.
Telephone	(07) 870 2024
Website	www.vetpak.co.nz
Email	sales@vetpak.co.nz

Emergency telephone numbers

Association/ Organisation	New Zealand National Poison information centre
Emergency telephone number	0800 764 766 – Poisons Hotline (07) 870 2024 - Vetpak. 8.00am to 5.00pm Monday to Friday except public holidays.
Other emergency telephone numbers	New Zealand emergency services 111

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification:

Classed as a dangerous good for transport and logistics

Hazardous according to the criteria of the Globally Harmonised System of classification and labelling of chemicals (GHS)

Label pictograms

GHS label elements	
Signal Word	WARNING

Hazard statements

HSNO	Hazard Code	GHS Category	Hazard Statement
6.3A	H 315	Category 2	Skin irritant

6.4A	H 319	Category 2	Can cause eye irritation
6.5B	H 317	Category 1	May cause an allergic skin reaction
6.9B	H 371	Category 1	May cause damage to organs through dermal exposure

Precautionary statements prevention

P103	Read label before use
P233	Keep container tightly closed
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing fumes/gas/mist/vapours/spray
P264	Wash hands and clothing 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
P280	Wear protective gloves/eye protection/ face protection

Precautionary statement responses

P101	If medical advice is needed have the product container or label on hand
P302 + P352	If on skin wash with plenty of soap and water.
P305 + P351 + P338	If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309 + P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P321	No specific treatment required
P332 + P313	If skin irritation occurs: Get medical advice/ attention
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention
P362	Take off contaminated clothing and wash before re-use
P363	Wash contaminated clothing before reuse.

Precautionary statement storage

P405	Store locked up
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Precautionary statement disposal

P501	Disposal should be through a suitably qualified contractor following the EPA guidelines
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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

CAS Number	% (weight)	Name
7681 – 11 – 0	10 – 30 %	Potassium Iodide
7553 – 56 – 2	< 10 %	Iodine
7732 – 18 – 5	To 100 %	Water

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

Eye contact	If this product comes in contact with eyes ➤ Flush out immediately with water
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	<ul style="list-style-type: none"> ➤ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel ➤ Continue rinsing for 15 minutes, if eye irritation persists seek medical attention
Skin contact	<p>If skin or hair contact occurs</p> <ul style="list-style-type: none"> ➤ Remove and isolate contaminated clothing and shoes ➤ Wash skin and hair with running water (and soap if available) ➤ Seek medical attention in event of irritation
Inhalation	<ul style="list-style-type: none"> ➤ Remove victim to fresh air and keep warm ➤ Remove and isolate contaminated clothing and shoes and loosen other clothing ➤ Do not use mouth to mouth method if the victim inhaled or ingested the substance
Ingestion	<ul style="list-style-type: none"> ➤ Immediately give a glass of water to rinse mouth ➤ Never give anything by mouth to an unconscious person ➤ Seek medical attention if symptoms develop and persist
Advice to the doctor	<ul style="list-style-type: none"> ➤ Show this safety data sheet (SDS) to the doctor in attendance. ➤ 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 – FIREFIGHTING MEASURES

Extinguishing media	<ul style="list-style-type: none"> ➤ In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions: ➤ Water - water spray ➤ Dry powder ➤ Foam ➤ Carbon dioxide (CO₂).
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Special hazards arising from the substrate or mixture

Fire incompatibility	Segregate from strong acids and alkalis. Segregate from acetaldehyde, ammonia, acetylene, aluminum and metals such as lithium, barium, magnesium, sodium, zinc, antimony and potassium
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Advice for fire fighters

Fire fighting	<ul style="list-style-type: none"> ➤ Alert fire brigade and tell location and nature of hazard ➤ Wear breathing apparatus plus protective gloves in the event of a fire ➤ Prevent spillage from entering the waterways or drains ➤ Consider evacuation (or protect in place) ➤ Fight the fire from a safe distance and adequate cover ➤ Use water delivered as a fine spray to control the fire and adjacent areas
Fire/explosion hazard	<ul style="list-style-type: none"> ➤ Hazardous fumes may occur with decomposition

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor spills	<ul style="list-style-type: none"> ➤ Clean up spills immediately ➤ Avoid breathing vapours and contact with skin and eyes ➤ Contain and absorb small quantities with absorbent material
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Major spills	<ul style="list-style-type: none"> ➤ Clear area of personnel and move upwind ➤ Alert fire brigade and tell them location and nature of hazard ➤ Prevent spillage from entering the waterways or drains ➤ Consider evacuation (or protect in place) ➤ Increase ventilation
Clean Up Procedures	<ul style="list-style-type: none"> ➤ Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Adhered or collected material should be promptly disposed of in accordance with appropriate laws and regulations
Containment	<ul style="list-style-type: none"> ➤ Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike far ahead of large spill for later disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Safe Handling	<ul style="list-style-type: none"> ➤ Wear protective clothing when risk of exposure occurs ➤ Use in a well ventilated area ➤ When handling do not eat, drink or smoke
Other information	<ul style="list-style-type: none"> ➤ Store away from incompatible materials in a dry cool well ventilated area ➤ Use site signage for large quantities ➤ Protect containers from damage and check regularly for leaks ➤ Observe manufacturers storage and handling documentation advice


Conditions for safe storage, including any incompatibilities

Suitable container	<ul style="list-style-type: none"> ➤ Packing as supplied by manufacturer ➤ Plastic containers may only used if approved by manufacturer ➤ Check containers are clearly labelled and free from leaks
Storage incompatibility	<ul style="list-style-type: none"> ➤ Segregate from strong acids and alkalis. Segregate from acetaldehyde, ammonia, acetylene, aluminum and metals such as lithium, barium, magnesium, sodium, zinc, antimony and potassium

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

General	<p>The time weighted average (TWA) concentration, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week is:</p> <p>Iodine (TWA) 0.01ppm 0.05mg/m³, Ceiling 0.1ppm 1mg/m³</p> <p>Potassium Iodide (TWA) 0.01 mg/m³</p>
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Exposure controls

Appropriate engineering controls	<p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level protection.</p> <p>The basic controls are:</p> <p>Process controls which involve changing the job activity or process to reduce risk</p> <p>Enclosure and or isolation source control keeping workers physically safe</p> <p>Ventilation that strategically adds and removes air in work environment.</p> <p>Ventilation can remove or dilute an air contaminant if designed properly</p>
Personal protection	



Eye and face protection	<ul style="list-style-type: none"> ➤ Safety glasses with side shields ➤ Chemical goggles ➤ Contact lenses may pose a special hazard soft contact lenses may absorb and concentrate materials. ➤ Medical personal should be trained and readily available in the event of chemical exposure; they should begin eye irrigation and remove contact lenses as soon as practicable. Lenses should be removed at the first sign of eye irritation
Skin protection	Wear general protective gloves e.g. light weight rubber gloves
Hand / feet protection	As above for hands; wear appropriate footwear for the environment
Body protection	Overalls or PVC Aprons
Other protection	<ul style="list-style-type: none"> ➤ Overalls ➤ PVC Aprons ➤ PVC protective gear ➤ Eyewash facilities ➤ Ensure there is ready access to a safety shower

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Brown Liquid	Relative density (Water = 1)	1.094
Odour	Iodine odour	Auto ignition temperature	Not available
Odour threshold	Not available	Decomposition temperature	Not available
pH	No data	Viscosity	Not available
Melting point (°C)	Not available	Molecular weight (g/mol)	Not available
Boiling point (°C)	Not available	Taste	Not available
Flash point (°C)	Not available	Explosive properties	Not available
Evaporation rate	Not available	Oxidising properties	Not available
Flammability	Not flammable	Volatile component (% vol)	Not available

SECTION 10 – STABILITY AND REACTIVITY

General Information	Stable under normal conditions
Chemical stability	Stable under normal conditions
Conditions to avoid	Stable under normal conditions
Incompatible materials	Reactive with strong acids and alkalis. Segregate from acetaldehyde, ammonia, acetylene, aluminium and metals such as lithium, barium, magnesium, sodium, zinc, antimony and potassium.
Hazardous Polymerisation	Hazardous polymerisation will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

General	No toxicology data
Inhalation	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
Ingestion	May be harmful if swallowed in large quantity
Skin	Prolonged or repeated skin contact may cause irritation and/or dermatitis.



Eyes	This material is an extreme irritant to eyes and may cause severe irritation.
Carcinogenicity	Not listed as carcinogenic
Reproductive Toxicity	Not applicable
Mutagenicity	Not suspected of causing genetic defects.
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, anemia, loss of weight, and general depression may also occur.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	Acute aquatic hazard: This material has been classified as hazardous. Acute toxicity estimate (based on ingredients): >1 - <10 mg/L This material has been identified with long term aquatic environment effects
Persistence/Degradability	No information available
Bioaccumulation Potential	No information available
Environmental Impact	No information available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / packaging disposal	<ul style="list-style-type: none"> ➤ Do not allow wash water from cleaning or process equipment to enter drains ➤ It may be necessary to collect all wash water for treatment before disposal ➤ In all case disposal to sewer may be subject to local laws and regulations and these should be considered first ➤ If in doubt contact the responsible authority ➤ Contact manufacturer for recycling options or consult local or regional waste management authority for disposal
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SECTION 14 – TRANSPORT INFORMATION

Labels required

Marine Pollutant	No
HAZCHEM	Not classified as hazardous

Land transport (ADG) - Air transport (ICAO-IATA / DGR) Sea transport (IMDG / GGVSee)

UN Number	No data available
Packing group	No data available
UN proper shipping name	No data available
Environmental hazard	No data available
Transport hazard classes	No data available
Special precautions for user	Transport upright in the original container with the lid tightly closed. Avoid spillage and any release into the environment

SECTION 15 – REGULATORY INFORMATION

Safety, health and environment regulations / legislation specific for the substance or mixture

GHS Codes	6.3A, 6.4A, 6.5B, 6.9B
National Inventory	Status
Australia – AICS	Yes



Europe – EINEC / ELINCS / NLP	Yes
New Zealand – NZIoC	Yes - All ingredients are on the inventory
Environmental Protection Authority (New Zealand)	This product is exempt from registration, being an oral nutritional compound compliant with S4 of the ACVM regulations 2001.
Approval Code	None

SECTION 16 – OTHER INFORMATION

While Vetpak Limited in good faith has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Vetpak Limited accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

New Zealand National Poison Information Centre: 0800 764 766
New Zealand Emergency Services: 111
Vetpak Limited: +64 7 870 2024

Definitions and abbreviations

PC – TWA	Permissible concentration – time weighted average
PC – STEL	Permissible concentration – short term exposure limit
IARC	International agency for research on cancer
ACGIH	American conference of Government Industrial Hygiene
STEL	Short term exposure limit
TEEL	Temporary emergency exposure limit
IDLH	Immediate dangerous to life or health concentration
OSF	Odour safety factor
NOAEL	No observed adverse effect level
LOAEL	Lowest observed adverse effect level
TLV	Threshold limit value
LOD	Limit of detection
OTV	Odour threshold value
BCF	Bio Concentration factors

END OF SDS

