

Section 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **STOCK IODINE**

UN NUMBER:

PRODUCT USE: For the oral nutritional supplementation of iodine in all types of stock including poultry.

SUPPLIER: Contract Packaging and Storage (2021) Limited
44 Aerodrome Road
Mount Maunganui 3149

Telephone: +64 7 575 8853

24 HOUR EMERGENCY CONTACT: 0800 764 766 (National Poisons Centre)

DATE OF PREPERATION: 12th August 2022 Revision 3

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 |

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

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION

| NAME | CAS NUMBER | % w/w | HAZARDOUS |
|------------------------|------------|-------|----------------|
| Water (micro-filtered) | 7732-18-5 | 60-80 | No |
| Potassium Iodide | 7681-11-0 | 10-30 | Yes 6.5B; 9.1C |

Section 4: 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 MEASURES

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.

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

Brown Liquid

PHYSICAL PROPERTIES

| PROPERTY | VALUE |
|-----------------------------------|----------------|
| State | Liquid |
| Odour | Pungent Iodine |
| Melting Range (°C) | |
| Boiling Range (°C) | |
| Solubility in water (g/L, 20°C) | |
| pH (saturated solution) | |
| pH (as supplied) | |
| Specific Gravity (water = 1) | |
| Relative Density (23°C) | |
| Relative Vapour Density (air = 1) | |
| Vapour Pressure (kPa) | |
| Autoignition Temp (°C) | |
| Flash Point (°C) | |
| Lower Explosive Limit (%) | |
| Upper Explosive Limit (%) | |

Section 10: CHEMICAL 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.

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 containers and recycle where appropriate. Dispose of in a landfill area in accordance with local government regulations.

Section 14: TRANSPORT INFORMATION

Hazard Class: 6.5B; 9.1C

UN Number: Not applicable

Packing Group: Not applicable

Hazchem Code: Not applicable

Proper Shipping Name: Not applicable

Land Transport: Check regulations

Sea Transport: Check regulations

Air Transport: Check regulations

Section 15: REGULATORY INFORMATION

HSNO Approval Number: N/A

HSNO Classifications:

6.5B (Contact sensitiser)

9.1C (Aquatic toxicity)

Regulatory status: No special 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

IARC – International Agency for Research on Cancer.

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).

NZIoC – New Zealand Inventory of Chemicals.

PEL – Permissible exposure limit.

PPE – Personal Protective Equipment.

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.

Date of Preparation/Review: 12th August 2022

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

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END OF SDS