

Infosafe No™ 1CHAL Issue Date : December 2022 RE-ISSUED by CHEMSUPP

Product Name **STARCH INDICATOR For Iodometry**

Not classified as hazardous

Section 1 - Identification

Product Identifier STARCH INDICATOR For Iodometry
Company Name CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)
Address 38 - 50 Bedford Street GILLMAN
 SA 5013 Australia
Telephone/Fax Number Tel: (08) 8440-2000
Emergency Phone Number CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)
E-mail Address www.chemsupply.com.au
Recommended use of the chemical and restrictions on use Iodometric indicator (starch solution is used to test for iodine); used in redox titrations; laboratory reagent.
Other Names

<u>Name</u>	<u>Product Code</u>
STARCH INDICATOR For Iodometry LR	SL127

Additional Information Directions: Use approximately 0.2-0.5 g of Starch Indicator to the solution to be titrated. A deep blue colour indicates the presence of free iodine.
Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture Classified as non-Hazardous according to the 7th Edition Globally Harmonised System of classification and labelling of Chemicals (GHS7) including Work, Health and Safety regulations, Australia.
 Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Section 3 - Composition and Information on Ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Amylodextrin	9005-84-9	100 %

Section 4 - First Aid Measures

Inhalation Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.

Ingestion Rinse mouth thoroughly with water immediately. Give plenty of water to drink. Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting. Seek medical attention in severe cases.
 Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. Give water to drink. DO NOT INDUCE VOMITING.

Skin Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse. Seek medical attention in severe cases, or if irritation develops.

Eye Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the chemical is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If persistent irritation occurs, obtain medical attention.

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First Aid Facilities	Maintain eyewash fountain and drench facilities in work area.
Advice to Doctor	Treat symptomatically and supportively.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

Section 5 - Firefighting Measures

Hazards from Combustion Products	Irritating and highly toxic gases, heavy, black acrid smoke, carbon monoxide and carbon dioxide.
Specific Methods	Small fire: Use dry chemical, CO2, water spray or foam. Large fire: Use water spray, fog or foam. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.
Specific Hazards Arising from the Chemical	May burn but do not ignite readily. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive fumes. Containers may explode when heated.
Decomposition Temperature	256-258 °C (melting point)
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.

Section 6 - Accidental Release Measures

Personal Precautions	Avoid inhalation, contact with skin, eyes and clothing.
Personal Protection	Use personal protective equipment listed in Section 8.
Clean-up Methods - Small Spillages	Sweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.

Section 7 - Handling and Storage

Precautions for Safe Handling	Avoid ingestion and inhalation of dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Minimize dust generation and accumulation. Keep containers closed when not in use. Use in designated areas with adequate ventilation. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
Conditions for safe storage, including any incompatibilities	Store in tightly closed, labelled containers, in a cool, dry, well-ventilated area, away from incompatible materials. Protect from physical damage, direct sunlight, sources of heat and moisture. Store away from oxidizing agents. Inspect periodically for deficiencies such as damage or leaks.
Storage Temperatures	Store at room temperature (15 to 25 °C recommended).

Section 8 - Exposure Controls and Personal Protection

Other Exposure Information	A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m ³ for dusts when limits have not otherwise been established.
Engineering Controls	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

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Eye and Face Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Excellent: NR latex, vinyl, nitrile, neoprene gloves.
Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
Body Protection	Clean clothing or protective clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Section 9 - Physical and Chemical Properties

Form	Solid
Appearance	White, free flowing, powdered solid, amorphous powder or granules.
Odour	Odourless or slight characteristic odour.
Melting Point	256-258 °C (decomposes).
Decomposition Temperature	256-258 °C (melting point)
Solubility in Water	Soluble in water. (50g/l at 90°C)
Specific Gravity	1.0384; ca. 1.5.
pH	5.0-7.0 (25 °C, 2% in solution).
Volatile Component	0 %vol @ 21 °C
Flammability	Combustible.
Auto-ignition Temperature	>380 °C
Explosion Properties	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum ignition energy > 30 m (Depends on particle size, moisture content, etc.). Minimum ignition temperature, cloud: 430 °C.
Molecular Weight	162.067

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal temperatures and pressures and conditions of use and storage.
Possibility of Hazardous Reactions	Reaction with strong oxidizing agents may cause fire.
Conditions to Avoid	Extremes of temperature, excess heat, flames, ignition sources, direct sunlight, dust generation and incompatible materials.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Irritating and highly toxic gases, heavy, black acrid smoke, carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

Ingestion	Not expected to be a health hazard. A major component of many foods. Ingestion may cause gastrointestinal irritation with nausea, vomiting and diarrhoea.
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Inhalation	Inhalation of dusts may cause mild irritation of the nose, throat and respiratory system. Symptoms are similar to those caused by nuisance dust: coughing, sneezing.
Skin	May cause slight skin irritation, resulting in redness and itching. May be harmful if absorbed through the skin.
Eye	No adverse effects expected but dust may cause mechanical eye irritation, tearing, stinging, blurred vision, and redness.
Carcinogenicity	Not listed in the IARC Monographs.
Chronic Effects	Prolonged or repeated exposure to this material will result in skin irritation leading to possible dermatitis.

Section 12 - Ecological Information

Ecological Information	No ecological problems are to be expected when the product is handled and used with due care and attention.
Ecotoxicity	Quantitative data on the ecological effect of this product are not available.
Persistence and Degradability	Readily biodegradable. BOD: 0.81 g/g (25 °C) (sea water); TOD: 1.18 g/g.

Section 13 - Disposal Considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and disposed of according to relevant local, state and federal government regulations.
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Section 14 - Transport Information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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Section 15 - Regulatory Information

Poisons Schedule	Not Scheduled
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Section 16 - Any Other Relevant Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'. Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.
Contact Person/Point	Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.
Empirical Formula & Structural Formula	(C6-H10-O5)n ...End Of MSDS...

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