



# Material Safety Data Sheet

CS: 1.4.95

chem-supply

Page: 1 of 4

Infosafe No™ 1CH6X Issue Date :November 2010 -ISSUED by CHEMSUPP

CS: 1.4.95

Product Name **STARCH (Potato and Soluble)**

Not classified as hazardous according to criteria of NOHSC

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

|                             |  |                     |
|-----------------------------|--|---------------------|
| <b>Product Name</b>         | STARCH (Potato and Soluble)  |                     |
| <b>Company Name</b>         | CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)   |                     |
| <b>Address</b>              | 50 Bedford Street GILLMAN<br>SA 5013 Australia   |                     |
| <b>Telephone/Fax Number</b> | Tel: (08) 8440-2000<br>Fax: (08) 8440-2001   |                     |
| <b>Recommended Use</b>      | Adhesive (gummed paper and tapes, cartons, bags), machine-coated paper, textile filler and sizing agent, beater additive in papermaking, fabric stiffener in laundering, urea-formaldehyde resin adhesives for particle board and fiberboard, explosives (nitrostarch), dextrin (starch gum), chelating and sequestering agent in foods, indicator in analytical chemistry, determination of diastatic power of malt, anticaking agent in sugar, face powders, adherent and mold-release agent, polymer base and laboratory reagent. |                     |
| <b>Other Names</b>          | <u>Name</u>  | <u>Product Code</u> |
|                             | STARCH Potato LR   | SL126               |
|                             | STARCH Soluble AR  | SA083               |
|                             | STARCH Soluble LR  | SL083               |
|                             | Amylodextrin   |                     |
|                             | Amylogen   |                     |
| <b>Other Information</b>    | EMERGENCY CONTACT NUMBER: +61 08 8440 2000<br>Business hours: 8:30am to 5:00pm, Monday to Friday.  |                     |

Chem-Supply 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 Chem-Supply 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 Chem-Supply 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.

## 2. HAZARDS IDENTIFICATION

|                              |  |
|------------------------------|--|
| <b>Hazard Classification</b> | Not classified as hazardous according to criteria of NOHSC<br>NON-HAZARDOUS SUBSTANCE.<br>NON-DANGEROUS GOODS.<br>Hazard classification according to the criteria of NOHSC.<br>Dangerous goods classification according to the Australia Dangerous Goods Code. |
| <b>Risk Phrase(s)</b>        | Not classified as hazardous according to criteria of NOHSC   |
| <b>Teratogenicity</b>        | No evidence of teratogenic effects.  |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                                  |             |            |                   |                      |                    |
|----------------------------------|-------------|------------|-------------------|----------------------|--------------------|
| <b>Chemical Characterization</b> | Solid       |            |                   |                      |                    |
| <b>Ingredients</b>               | <u>Name</u> | <u>CAS</u> | <u>Proportion</u> | <u>Hazard Symbol</u> | <u>Risk Phrase</u> |
|                                  | Starch      | 9005-25-8  | 100 %             |                      |                    |

## 4. FIRST AID MEASURES

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | Remove victim to fresh air. Seek medical advice if effects persist.   |
| <b>Ingestion</b>  | Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek medical attention. |



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|--------------------|---------------------------|---------------------|------------|
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|                             |  |
|-----------------------------|--|
| <b>Skin</b>                 | Wash with plenty of soap and water. If irritation occurs seek medical advice.  |
| <b>Eye</b>                  | Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.                         |
| <b>First Aid Facilities</b> | Maintain eyewash fountain and safety shower in work area.  |
| <b>Advice to Doctor</b>     | Treat symptomatically.   |
| <b>Other Information</b>    | For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once. |

## 5. FIRE FIGHTING MEASURES

|  |   |
|--|---|
| <b>Hazards from Combustion Products</b>    | May liberate toxic fumes such as Carbon monoxide, and carbon dioxide.   |
| <b>Specific Methods</b>                    | Small fire: Use dry chemical, CO2, water spray or foam.<br>Large fire: Use water spray, fog or foam.<br>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. |
| <b>Specific Hazards</b>                    | May burn but do not ignite readily. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive gases. May be subject to dust explosion if moisture level is less than 7%. Take precautions to prevent dust cloud generation.     |
| <b>Precautions in connection with Fire</b> | Wear SCBA and structural firefighter's uniform.   |

## 6. ACCIDENTAL RELEASE MEASURES

|                              |   |
|------------------------------|---|
| <b>Spills &amp; Disposal</b> | Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal. |
| <b>Personal Protection</b>   | Wear protective clothing specified for normal operations (see Section 8)  |

## 7. HANDLING AND STORAGE

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for Safe Handling</b> | Avoid generating and inhaling dust.  |
| <b>Conditions for Safe Storage</b>   | Store away from oxidizing agents. Keep container tightly closed and dry, away from direct sunlight. Keep in a cool place |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                   |   |
|-----------------------------------|---|
| <b>Other Exposure Information</b> | A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by NOHSC Australia for this product. There is a blanket limit of 10 mg/m <sup>3</sup> for dusts when limits have not otherwise been established.   |
| <b>Engineering Controls</b>       | 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.  |
| <b>Respiratory Protection</b>     | 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. |
| <b>Eye Protection</b>             | 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.   |
| <b>Hand Protection</b>            | Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: NR latex, vinyl, nitrile, neoprene gloves.   |
| <b>Body Protection</b>            | Flame retardant protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous   |



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**Hygiene Measures** Chemicals.  
Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** Solid  
**Appearance** White powder.  
**Odour** Odourless.  
**Melting Point** 256-258 °C (Soluble starch)  
**Solubility in Water** Potato - 50 g/L @ 90 °C; soluble starch slightly soluble.  
**Flammability** Combustible.

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal use conditons.  
**Incompatible Materials** Strong oxidising agents.  
**Hazardous Decomposition Products** May liberate toxic fumes such as Carbon monoxide, and carbon dioxide.  
**Hazardous Polymerization** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Inhalation** Dust particles may cause irritation to nose.  
**Ingestion** May cause irritation of mouth, throat, oesophagus and gastrointestinal tract.  
**Skin** Prolonged skin contact may give rise to irritation in certain sensitive individuals.  
**Eye** Dust particles may give rise to irritation.  
**Chronic Effects** Where substance has been used medicinally, cases of poisoning have been recorded from prolonged use (daily intake of quantities up to 200 g).  
**Mutagenicity** No evidence of mutagenic properties.  
**Carcinogenicity** No evidence of carcinogenic properties.  
**Other Information** LD50 (intraperitoneal, mouse): 6600 mg/kg

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Whatever cannot be saved for recovery or recycling should be dispose of according to relevant local, state and federal government regulations.

## 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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|--------------------|---------------------------|---------------------|------------|
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|--------------------|---------------------------|---------------------|------------|

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## 15. REGULATORY INFORMATION

**Regulatory Information** Listed in the Australian Inventory of Chemical Substances (AICS).  
**Poisons Schedule** Not Scheduled

## 16. OTHER INFORMATION

**Contact Person/Point** Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**  
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**Empirical Formula & Structural Formula** (C6H10O5)n**Literature References**

Australian Government Department of Health and Ageing, 'Standard for the Uniform Scheduling of Drugs and Poisons No. 24', Commonwealth of Australia 2009.  
 Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.  
 National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.  
 South Australia Government, 'Approved Code of Practice for the Labelling of Workplace Substances', 1995.  
 Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and Combustible Liquids.  
 Standards Australia, 'SAA/SNZ HB 76:2004 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, August 2004.  
 Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]'.  
 Worksafe Australia, 'Hazardous Substances Information System, 2005'.  
 Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]'.  
 Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.

**User Codes**

| <u>User Field Title</u> | <u>User Code</u> |
|-------------------------|------------------|
| CAS No.                 | 9005-25-8        |
| ...End Of MSDS...       |                  |

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