



# LIQUID STARCH

## Safety Data Sheet

ISSUE DATE: 16/01/2025

### 1. SUBSTANCE IDENTIFICATION/ PREPARATION AND COMPANY DETAILS

**Product Name:** LIQUID STARCH

**Recommended use:** As a textile liquid starch

**Supplier:** HY.GIENE AUSTRALIA PTY LTD

**Street Address:** 11 / 18-20 Edward street,  
OAKLEIGH 3166  
Australia

**Telephone:** +61 3 9299 3946

**Facsimile:** +61 3 9729 3943

**Emergency Telephone Number:** 0408 616 930

### 2. HAZARDS IDENTIFICATION

Classified as Hazardous according to the criteria of Safe Work Australia.

**GHS classification:**

Acute Tox. 3 (H302)  
Skin Corr. 1C (H314)  
Skin Sens. 1A (H317)  
Eye Dam. 2 (H319)  
Aquatic Chronic 1 (H410)

**Pictogram**



**Hazard Category**

**Signal word**

**Warning**

**Hazard statements**

<b>H302</b>	Harmful if swallowed
<b>H314</b>	Causes severe skin burns and eye damage
<b>H317</b>	May cause an allergic skin reaction
<b>H319</b>	Causes serious eye irritation
<b>H410</b>	Very toxic to aquatic life with long-lasting effects

**Precautionary statements**

<b>P264</b>	Wash skin thoroughly after handling.
<b>P273</b>	Avoid release to the environment.



# LIQUID STARCH

## Safety Data Sheet

ISSUE DATE: 16/01/2025

- P280** Wear protective gloves/protective clothing/eye protection/face protection.
- P270** Do not eat, drink or smoke when using this product.
- P271** Use only outdoors or in a well-ventilated area.
- P272** Contaminated work clothing should not be allowed out of the workplace.

### Response statements

- P305+351+338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- P337+313** If eye irritation persists, get medical advice/attention.
- P303+361+353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304+340** Remove person to fresh air and keep comfortable for breathing.

### Storage statements

- P403+233** Store in a well-ventilated place. Keep container tightly closed.
- P405** Store locked up.

### Disposal statements

- P501** Dispose of contents/container *in accordance with local/regional/national/international regulation.*

### Risk Phrases

- R36/37/38** Irritating to eyes, respiratory system and skin
- R58** May cause long-term adverse effects in the environment

### Safety Phrases

- S3/7/9** Keep container tightly closed in a cool, well-ventilated place
- S29/35** Do not empty into drains; dispose of this material and its container in a safe way
- S20/21** When using do not eat, drink or smoke
- S24/25** Avoid contact with skin and eyes
- S27/28** After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water
- S36/37/39** Wear suitable protective clothing, gloves and eye/face protection

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Code (ADG Code) for transport by road or rail.

**Poisons Schedule (Aust):** N/A – Not Applicable.



# LIQUID STARCH

## Safety Data Sheet

ISSUE DATE: 16/01/2025

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemicals	CAS No.	Composition	Risk Phrases
5-Chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone	55965-84-9	< 0.002	R36/37/38, R58
Polyalkylene oxide derivative of a synthetic alcohol	103818-93-5	1-5%	R36/37/38
Non-hazardous material	-	>50%	

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

### 4. FIRST AID MEASURES

- Ingestion:** Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical assistance.
- Eye contact:** Irrigate with copious amount of water for 15 minutes. In all cases of eye contamination, it is a sensible precaution to seek medical advice.
- Skin contact:** Wash contaminated skin with plenty of soap and water. If irritation occurs seek medical advice.
- Inhalation:** Remove victim from exposure. Seek medical advice if effects persist.
- Notes to physician:** Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

- Specific Hazards:** Non-combustible liquid.
- Firefighting further advice:** Not combustible, however following evaporation of aqueous component residual material can burn if ignited. On burning, will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.
- Suitable extinguishing media:** Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

### 6. ACCIDENTAL RELEASE MEASURES

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand, sawdust, inert material, vermiculite). Collect and seal in properly labelled containers for disposal.

### 7. HANDLING AND STORAGE

- Handling:** Avoid skin and eye contact.



# LIQUID STARCH

## Safety Data Sheet

ISSUE DATE: 16/01/2025

**Storage:** Store in a cool, dry place and out of direct sunlight. Always keep containers closed – check regularly for leaks.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission.

**Engineering measures:** Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

**Personal protection equipment:** OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES(S).

Avoid eye contact and repeated or prolonged skin contact. Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** White emulsion with faint odour.  
**Solubility:** Miscible in water.

Specific Gravity (20C) : 1.02  
pH (neat) : 5.0-6.0  
Rel. Vapour Density (air=1) : > 1  
Boiling Point (C) : 100 (water)  
% Volatile by volume : 77 (water)

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Incompatible materials:** None known.

**Hazardous reactions:** None known

### 11. TOXICOLOGICAL INFORMATION

**Main symptoms:** No adverse health effects expected if the product is handled in accordance with this Safety data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

**Ingestion:** No adverse effects expected, however large amounts may cause nausea and vomiting.

**Eye contact:** May be an eye irritant.

**Skin contact:** Contact with the skin may result in irritation.

**Inhalation:** Not expected to cause respiratory irritation.

**Long term effects:** No information available for this product.



# LIQUID STARCH

## Safety Data Sheet

ISSUE DATE: 16/01/2025

**Acute toxicity/Chronic toxicity:** No LD50 data available for product. The components in the proportions present are not considered to represent a hazard under conditions of good occupational work practice.

Component	LD50 Oral (mg/kg)	LD50 Dermal (mg/kg)	LC50 Inhalation (mg/m <sup>3</sup> )
5-Chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone	465 Rat	1008 Rabbit	330 Rat
Polyalkylene oxide derivative of a synthetic alcohol	-	-	-

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Material is not expected to be hazardous to the environment but avoid contaminating waterways.

**Persistence/degradability:** The material is expected to be biodegradable.

5-Chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone	Toxicity to fish	Oncorhynchus mykiss (Rainbow trout): 0.19 mg/L (96 h). Lepomis macrochirus (Bluegill sunfish): 0.28 mg/L (96 h).
	Toxicity to daphnia and other aquatic invertebrates	0.16 mg/L (48 h).
	Toxicity to algae	Marine algae (Skeletonema costatum): 0.003 mg/L (48 h). Selenastrum capricornutum): 0.018 mg/L (48 h).
	Toxicity to bacteria	-
Polyalkylene oxide derivative of a synthetic alcohol	Toxicity to daphnia and other aquatic invertebrates	3.2 mg/l

### 13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority.

### 14. TRANSPORT INFORMATION

**Road and Rail Transport:** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

**Marine Transport:** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



# LIQUID STARCH

## Safety Data Sheet

ISSUE DATE: 16/01/2025

**Air Transport:**

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### 15. REGULATORY INFORMATION

Not classified as hazardous according to criteria of Safe Work Australia

**Poisons Schedule (Aust):** N/A – Not Applicable

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

### 16. OTHER INFORMATION

This MSDS summarises at the date of issue our best knowledge of the health and safety information of the product, and how to safely handle and use the product in the workplace. As each workplace is different each user must, prior to use, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification of further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.