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The Chemistry of Cleaning™
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VIC 03 9480 3000
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SA 08 8293 2020
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# Safety Data Sheet

Issued: September 2026

## Section 1 - Identification of the Material and Supplier

**Chemical nature:** Water solution of peroxide.
**Trade Name:** **LAUNDRY BRIGHTENER**
**Product Code:** LAUBR5, LAUBR20
**Product Use:** Peroxide-based bleach additive for laundry washing machines.
**Creation Date:** **September, 2026**
**Expiry date:** This SDS shall remain valid for 5 years unless a new SDS is issued in the meantime. Please contact Agar Cleaning Systems P/L to ensure you have the latest version of this product's SDS.

**Poisons Information Centre: Phone 13 1126 from anywhere in Australia**

**SUPPLIER DETAILS**
Company: Agar Cleaning Systems Pty. Ltd.
Address: 12-14 Cope Street, Preston, Vic. 3072 AUSTRALIA
Telephone: 03 9480 3000 Facsimile: 03 9480 5100
Web: www.agar.com.au Agar SDS are available from this website.
Email: sales@agar.com.au

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

This product is classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

**SUSMP Classification:** S6.
**ADG Classification:** None allocated.
**UN Number:** None allocated.

### GHS Signal word: DANGER

Eye Damage/ Irritation – Category 1

**HAZARD STATEMENT:**

H318: Causes serious eye damage.

**PREVENTION**

P102: Keep out of reach of children.
P264: Wash contacted areas thoroughly after handling.
P280: Wear eye or face protection.

**RESPONSE**

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTRE phone Australia 131 126 or a doctor.

**DISPOSAL**

P501: If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

## Emergency Overview

**Physical Description & Colour**: Colourless liquid.
**Odour:** None.
**Major Health Hazards:** Serious eye damage.

## Section 3 - Composition/Information on Ingredients

| Ingredients | CAS No | Conc,% | TWA (mg/m$^3$) | STEL (mg/m$^3$) |
|---|---|---|---|---|
| Hydrogen peroxide | 7722-84-1 | < 8 | 0.7 | not set |
| Water | 7732-18-5 | to 100 | not set | not set |

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

## Section 4 - First Aid Measures

### General Information:

You should call the Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required.
**Skin Contact:** First aid is not generally required. However, if irritation does occur, flush with water until product is removed.
**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.
**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and give some water to drink. If symptoms develop, or in doubt, contact a Poisons Information Centre, or a doctor.

## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards**: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.
Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.
Fire decomposition products from this product are likely to be irritating if inhaled.
**Extinguishing Media:** Not combustible. Use extinguishing media suited to burning materials.
**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

| | |
|---|---|
| **Flash point:** | Does not burn. |
| **Upper Flammability Limit:** | Does not burn. |
| **Lower Flammability Limit:** | Does not burn. |
| **Autoignition temperature:** | Not applicable - does not burn. |
| **Flammability Class:** | Does not burn. |

## Section 6 - Accidental Release Measures

**Accidental release:** Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).
Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** This product is a Scheduled Poison. Observe all regulations regarding sales, transport and storage of this schedule of poison. Make sure that containers of this product are kept tightly closed.

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

| **SWA Exposure Limits** | **TWA (mg/m$^3$)** | **STEL (mg/m$^3$)** |
|---|---|---|
| Hydrogen peroxide | 0.7 | not set |

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** No special ventilation requirements are necessary.

**Eye Protection:** Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

**Skin Protection:** The information at hand indicates that this product is not harmful and that normally no skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves if skin contact is likely.

**Respirator:** Usually, no respirator is necessary when using this product.

## Section 9 - Physical and Chemical Properties:

| | |
|---|---|
| **Physical Description & colour**: | Colourless liquid. |
| **Odour:** | None. |
| **Boiling Point:** | Approximately 100°C at 100kPa. |
| **Freezing/Melting Point:** | Below 0°C. |
| **Volatiles:** | 0% VOC |
| **Vapour Pressure:** | No data. |
| **Vapour Density:** | As for water. |
| **Specific Gravity:** | 1.0 |
| **Water Solubility:** | Completely soluble in water. |
| **pH:** | 2.5 – 6.0 (as supplied). |
| **Volatility:** | No data. |
| **Odour Threshold:** | No data. |
| **Evaporation Rate:** | As for water. |
| **Coeff Oil/water Distribution**: | No data. |
| **Autoignition temp:** | Not applicable - does not burn. |

## Section 10 - Stability and Reactivity

**Reactivity and Chemical Stability:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Possibility of Hazardous Reactions:** This product will not undergo polymerisation reactions.

**Conditions to Avoid:** Keep containers tightly closed.

**Incompatibilities:** Acids, bases, strong oxidising or reducing agents.

**Fire Decomposition:** Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

## Section 11 - Toxicological Information

**Information on toxicological effects:**

| | |
|---|---|
| Acute toxicity | No known significant effects or hazards. |

| | |
|---|---|
| Skin corrosion/irritation | No known significant effects or hazards. |
| Serious eye damage/irritation | Serious eye damage. |
| Respiratory or skin sensitisation | No known significant effects or hazards. |
| Germ cell mutagenicity | No known significant effects or hazards. |
| Carcinogenicity | No known significant effects or hazards. |
| Reproductive toxicity | No known significant effects or hazards. |
| Specific target organ toxicity (STOT)- single exposure | No known significant effects or hazards. |
| Specific target organ toxicity (STOT)- repeated exposure | No known significant effects or hazards. |
| Aspiration hazard | No known significant effects or hazards. |

## Classification of Hazardous Ingredients

| **Ingredient:** | **Health effects:** |
|---|---|
| Hydrogen peroxide | Skin corrosion and serious eye damage. Harmful if swallowed and if inhaled. May cause respiratory irritation. |

## Potential Health Effects

### Inhalation:

**Short Term Exposure:** Available data indicates that this product is not harmful. In addition, product is unlikely to cause any discomfort or irritation.
**Long Term Exposure:** No data for health effects associated with long term inhalation.

### Skin Contact:

**Short Term Exposure:** Available data indicates that this product is not harmful. It should present no hazards in normal use. However, product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.
**Long Term Exposure:** No data for health effects associated with long term skin exposure.

### Eye Contact:

**Short Term Exposure:** This product is damaging to the eyes. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.
**Long Term Exposure:** No data for health effects associated with long term eye exposure.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.
**Long Term Exposure:** No data for health effects associated with long term ingestion.

### Carcinogen Status:

**SWA:** No significant ingredient is classified as carcinogenic by SWA.
**NTP:** No significant ingredient is classified as carcinogenic by NTP.
**IARC:** No significant ingredient is classified as carcinogenic by IARC.

## Section 12 - Ecological Information

**Ecotoxicity:** Not classified as harmful to aquatic organisms.
**Persistence and Degradability:** This product is readily biodegradable. It will not accumulate in the soil or water or cause long term problems.
**Bioaccumulative Potential:** No information available.
**Mobility in Soil:** No information available.
**Other Adverse Effects:** No information available.

## Section 13 - Disposal Considerations

**Disposal:** Containers should be emptied as completely as practical before disposal. If possible, recycle product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

## Section 14 - Transport Information

**UN Number:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

## Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with AICIS regulations.
The following ingredient is mentioned in the SUSMP: Hydrogen peroxide.

## Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

**Abbreviations and Definitions of terms used:**

| | |
|---|---|
| < | Less than. |
| > | Greater than. |
| ADG CODE | Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition). |
| AICS | Australian Inventory of Chemical Substances. |
| CAS | Chemical Abstracts Service (Registry Number). |
| COD | Chemical Oxygen Demand. |
| °C | Degrees Celsius. |
| g | Gram. |
| g/L | Grams per litre. |
| Hazchem Code | Emergency action code of numbers and letters that provide information to emergency services especially firefighters. |
| HSIS | Hazardous Substance Information System. |
| IARC | International Agency for Research on Cancer. |
| kg | Kilogram. |
| L | Litre. |
| LC50 | The concentration of a material (inhaled) that will be lethal to 50% of the test animals. |
| LD50 | The dose (swallowed all at once) which is lethal to 50% of a group of test animals. |
| $m^3$ | Cubic metre. |
| mg | Milligram. |
| $mg/m^3$ | Milligrams per cubic metre. |

| | |
|---|---|
| miscible | A liquid that mixes homogeneously with another liquid. |
| N/A | Not Applicable. |
| N/K | Not Known. |
| NIOSH | National Institute for Occupational Safety and Health. |
| non-haz | Non-hazardous. |
| NOS | Not Otherwise Specified. |
| NTP | National Toxicology Program (USA). |
| PEL | Permissible Exposure Limit. |
| ppb | Parts per billion. |
| ppm | Parts per million. |
| R-Phrase | Risk Phrase. |
| STEL | Short Term Exposure Limit. |
| SUSMP | Standard for the Uniform Scheduling of Medicines & Poisons. |
| SWA | Safe Work Australia, formerly ASCC and NOHSC. |
| TLV | Threshold Limit Value. |
| TWA | Time Weighted Average. |
| UN Number | United Nations Number. |
| wt | Weight. |
| | |

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO PROVIDE ADDITIONAL INFORMATION.

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

### Please read all labels carefully before using product.

The information in this Data Sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. As far as lawfully possible, Agar Cleaning Systems accepts no liability for any loss, injury or damage (including consequential loss) suffered or incurred by any person as a consequence of reliance on the information and advice contained herein.

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End of SDS.