

# LAUNDRY BRIGHTENER

## 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **LAUNDRY BRIGHTENER**  
Other Names: -  
Manufacturer's Product Code: LAUBR5, LAUBR20  
Product Use: Peroxide-based additive for laundry washing machines.

### COMPANY DETAILS

Company: Agar Cleaning Systems Pty. Ltd.  
Address: 12-14 Cope Street, Preston, Vic. 3072  
Telephone: 03 9480 3000 Facsimile: 03 9480 5100  
Web: [www.agar.com.au](http://www.agar.com.au)  
Agar SDS are available from this website.  
E-mail: [admin@agar.com.au](mailto:admin@agar.com.au)

**Emergency Telephone Number: 131 126** (Aust wide)

## 2 HAZARDS IDENTIFICATION

Hazardous according to criteria of Safe Work Australia.  
Irritant Xi

**R36** Irritating to eyes.

**S2** Keep locked up and out of the reach of children.

**S17** Keep away from combustible material.

**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**S28** After contact with skin, wash immediately with plenty of soap suds.

**S39** Wear suitable eye/face protection.

**S45** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Ingredients:

Chemical Entity:	CAS No.:	Proportion:
Hydrogen peroxide	7722-84-1	7.75%
Water	7732-18-5	to 100%

## 4 FIRST AID MEASURES

**Poisons Information Centre: Phone 131 126**

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting.

Give a glass of water. Rinse mouth with water. Never give anything by mouth to an unconscious person.  
Eye: Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.  
Skin: Remove any contaminated clothing and shoes and flush area with water and soap if available. Seek medical attention in the event of irritation.  
Inhaled: Remove to fresh air. Lay patient down. Keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Transport to doctor or hospital.

## 5 FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Product is an oxidiser. Contact with organic liquids or vapours may cause reactions.  
Fire Extinguishing media: Use water.  
Fire Fighting PPE: Wear SCBA and chemical splash suit. Structural fire fighter's uniform will provide limited protection.  
Special fire-fighting procedures: Do not use dry chemicals, CO<sub>2</sub> or foam. If safe to do so, move undamaged containers from fire area.  
Unusual fire hazards: Will accelerate burning when involved in a fire.  
Hazardous products of combustion: Thermal decomposition will yield oxygen gas and irritating, poisonous and/or corrosive gases.

## 6 ACCIDENTAL RELEASE MEASURES

Clean up all spills immediately. Avoid contact with skin and eyes. Immediately contact Police or Fire Brigade.

Spill or leak area should be isolated immediately for at least 25 metre in all directions. Do not contaminate spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Prevent entry into waterways, drains and pits. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place in a loosely-covered container for later disposal.

## 7 HANDLING AND STORAGE

Precautions for safe handling: Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

Storage and Transport: Store in a cool, dry place that is well-ventilated and away from foodstuff containers, combustibles and organics. Direct sunlight should be avoided. Do not return unused liquid to the containers. Do not add any other substance to the containers.

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Incompatibility (Materials to avoid for purposes of transport, handling and storage only): Avoid storage with foodstuffs, combustible or organics.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: None assigned for mixture. Data for principal ingredients only :

Hydrogen Peroxide:

Safe Work TWA: 1 ppm, 1.4 mg/m<sup>3</sup>

Safe Work STEL: none established

TLV (ACGIH): 1 ppm, 1.4 mg/m<sup>3</sup> - 8hr TWA

PEL (OSHA): 1 ppm, 1.4 mg/m<sup>3</sup> (90%) - 8hr TWA

Engineering Controls: Mechanical ventilation: not required under normal conditions, but local exhaust ventilation should be used to control any air contaminants to within the Exposure Standards.

Personal Protection:

Gloves - Wear rubber, neoprene or vinyl gloves if repeated contact is anticipated.

Note: Resistance of glove materials can vary. Evaluate resistance under conditions of use and maintain PPE carefully.

Eye protection – Splash-proof goggles should be worn.

Respiratory – If inhalation risk exists, a suitable, NIOSH-approved cartridge type Respirator (ABEK2P3) should be worn.

Other – Protective overalls are desirable. An eyewash unit should be available.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colourless liquid

Odour: None

pH = 3 – 5

Vapour Pressure: Same as water

Vapour Density: N/K

Boiling Point: Approx. 105°C

Freezing Point: < 0°C

Solubility in water: Infinitely miscible

Specific Gravity: 1.02

Evaporation rate: As water

% Volatile by vol: 100%

## 10 STABILITY AND REACTIVITY

Unstable if heated or contaminated.

Avoid contact with metals.

Not combustible but decomposition of product will increase the explosive limits and burning rate of flammable vapours.

Hazardous polymerization: None.

## 11 TOXICOLOGICAL INFORMATION

Health Effects: *Acute* -

Swallowed: Swallowing can lead to bleeding of the mucosa in the mouth, oesophagus and stomach. The rapid releasing of oxygen can cause distension and bleeding of the mucosa in the stomach and lead to severe damage of the internal organs, especially in the event of greater intake of product..

Eye: Irritating. Eye contact may result in extreme irritation up to cauterisation. Can cause conjunctivitis, corneal damage or eye damage. Symptoms may occur with delay.

Skin: Slightly irritating. Principal route of exposure is usually by skin contact. Contact may result in whitening and irritation.

Inhalation: Slightly irritating to the respiratory system. Inhalation of vapours in confined spaces may cause irritation to mucous membranes.

Health Effects – *Chronic*: Repeated or prolonged skin contact may cause slight irritation.

Toxicity data: None available for mixture. Data is for principal ingredient: Hydrogen peroxide:

Oral LD50 (rat) = 801 mg/kg, 35% solution.

Inhalation 8hr LC50 (rat) = > 2000 ppm, 90% solution.

Skin absorption LD50 (rabbit) = 700 mg/kg, 90% solution.

(Note: this data is from published information. Agar Cleaning Systems does not carry out animal tests).

## 12 ECOLOGICAL INFORMATION

Ecotoxicity: 100% product

Fish *Ictalurus Punctatus* LC50 96hr: 37.4 mg/L (Literature)

Fish *Ictalurus Punctatus* LC0 96hr: 17 mg/L (Literature)

Fish *Oncorhynchus Mykiss* LC50 24hr: 31.3 mg/L (Literature)

*Daphnia Magna* EC50 24hr: 7.7 mg/L (Literature)

*Daphnia Magna* EC0 24hr: 3.8 mg/L

Persistence and degradability:

50% degradation within approximately 20 hours: medium: air.

The product can be degraded by abiotic (chemical or photolytic) processes. Under ambient conditions, quick hydrolysis, reduction or decomposition occurs.

Mobility: No information is available.

Advice: Avoid contaminating drains, sewers or waterways.

## 13 DISPOSAL CONSIDERATIONS

Dilute small quantities of product to at least 0.5% (i.e., 1 in 16) before disposal to sewer. Dispose of larger quantities in accordance with all local, State and Federal Regulations.

## 14 TRANSPORT INFORMATION

UN No.: -	Class: -	Packg.Group: I-	Hazchem: -
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## 15 REGULATORY INFORMATION

Poisons Schedule Number: Schedule 6.

Product must be stored, maintained and used in accordance with the relevant regulations.

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## 16 OTHER INFORMATION

**AICS Listing:** All components of Laundry Brightener are listed on the Australian Inventory of Chemical Substances (AICS).

Date: This SDS issued: November 25, 2011

### Abbreviations and Definitions of terms used:

<	less than
>	greater than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
COD	Chemical Oxygen Demand
deg C	Degrees Celsius
g	gram
g/L	grams per litre
HSIS	Hazardous Substance Information System
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 <sup>3</sup>	Cubic metre
mg	milligram
mg/m <sup>3</sup>	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
PEL	Permissible Exposure Limit
ppb	Parts per billion
ppm	Parts per million
STEL	Short term exposure limit
TLV	Threshold Limit Value
TWA	Time Weighted average
UN	United Nations (Number)
wt	weight

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. Agar Cleaning Systems accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

End of SDS.