



MATERIAL SAFETY DATA SHEETS

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CLASSIFICATION OF MATERIAL

Classified as hazardous according to criteria of the National Occupational Health and Safety Commission (Australia)**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

1.1 Product:	Sunlight Laundry Liquid Citrus Fresh
1.2 UN Proper Shipping Name:	Not Applicable
1.3 Recommended Use:	Laundry Detergent
1.4 Supplier:	Pental Products Pty Ltd
1.5 A.B.N:	68 103 213 467
1.6 Address:	48 Drummond Road, Shepparton, Victoria, 3630
1.7 Telephone Number:	(03) 5820 5200 (Australia).
1.8 Facsimile:	(03) 5820 5221 (Australia).
1.9 Emergency Telephone Numbers:	(03) 5820 5200 (Australia: Weekdays 8.00am to 5.00pm) Poisons Information Centre Australia: 13 1126 Poisons Information Centre New Zealand: 0800 764 766

2. HAZARDS IDENTIFICATION

2.1 Hazard Classification:	Hazardous Substance. Non-Dangerous Goods
2.2 Risk Phrase(s):	R36/38 Irritating to eyes and skin.
2.3 Safety Phrases:	S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Water	7732-18-5	> 60
Anionic Surfactants	Proprietary	< 20
Sodium Xylene Sulphonate	1300-72-7	< 10
Alcohol Ethoxylate	Proprietary	< 10
Sodium Tripolyphosphate	7758-29-4	< 10
Triethanolamine	102-71-6	< 10
Sodium Hydroxide	1310-73-2	< 1
Trisodium HEEDTA	139-89-9	< 1
Fragrance	Proprietary	< 1

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Optical Brightener	27344-41-8	< 1
Hexylene Glycol	107-41-5	< 1
Preservative	Proprietary	< 0.1
Dye	Proprietary	< 0.1

4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

Ingestion:	Do not induce vomiting. Immediately remove product from mouth and rinse out with plenty of water. If a large amount swallowed, or symptoms develop, obtain medical attention.
Eye:	Immediately flush with water for at least 15 minutes. Seek medical attention.
Skin:	Remove any contaminated clothing. Wash off skin with water. Obtain medical attention if symptoms develop.
Inhalation:	Remove from source of exposure. Monitor symptoms and progress to assess the need for medical attention.

4.2 Medical Attention and Special Treatment

First Aid Facilities:	Eyewash facilities should be available.
Comments:	Treat according to person's condition and specifics of exposure.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:	Non-flammable. On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
5.2 Hazards From Combustion Products:	Carbon oxides and traces of incompletely burned carbon compounds. Sulphur oxides. Nitrogen oxides. Chlorine compounds. Metal oxides. Phosphorous oxide.
5.3 Special Protective Precautions and Equipment For Fire Fighters:	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-containing breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
5.4 Hazchem Code:	Not applicable.

6. ACCIDENTAL RELEASE MEASURES

6.1 Emergency Procedures:	Avoid eye contact. Do not allow large quantities to enter drains or surface waters.
6.2 Methods and Materials for Containment and Clean Up:	Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. If leaked material can be pumped, store recovered material in appropriate container(s). Clean up remaining materials from spill with suitable absorbent. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and

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disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:** Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
- 7.2 Conditions for Safe Storage:** Use reasonable care and store away from oxidizing materials and strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:** No exposure standard allocated
- 8.2 Biological Limit Values:** No biological limit allocated.
- 8.3 Engineering Controls:** General ventilation is recommended.
- 8.4 Personal Protective Equipment:**
- Respiratory** Domestic quantities require no special equipment with normal careful use. Do not enter or stay in mists or clouds without expert advice or protective (full face mask with fresh solvent canister) equipment.
- Eye** Domestic quantities require no special equipment with normal careful use. Wear safety glasses or goggles or face shield if handling large quantities. Do not wear contact lenses. Ensure eyewash is available.
- Skin** Domestic quantities require no special equipment with normal careful use. Care should be taken with sensitive or damaged skin. For large quantities, wear PVC or rubber gloves, coveralls (plastic aprons may be required) and enclosed footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical Description / Properties**
- Appearance:** Translucent blue, isotropic liquid
- Odour:** Characteristic odour
- pH:** 8.0 – 9.0
- Viscosity (cP @ 25°C):** 500 - 1000
- Vapor Pressure:** Not applicable
- Vapor Density:** Not applicable
- Boiling Point (°C):** Not determined
- Freezing Point (°C):** Not determined
- Melting Point (°C):** Not determined
- Solubility In Water (g/100 mL):** Soluble in water
- Specific Gravity (@ 25°C):** ~1.08 g/mL
- Flash Point (°C):** Not determined
- Lower Explosive Limit (%):** Not determined
- Upper Explosive Limit (%):** Not determined

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Autoignition Temp (°C): Not determined
Decomposition Temp (°C): Not determined

10. STABILITY AND REACTIVITY

- 10.1 **Chemical Stability:** The product is stable under normal ambient conditions of temperature and pressure.
- 10.2 **Conditions To Avoid:** None
- 10.3 **Incompatible Materials:** Strong Oxidizers; strong acids
- 10.4 **Hazardous Decomposition Products:** Oxides of Carbon, Nitrogen, phosphorous and sulfur.
- 10.5 **Hazardous Reactions:** Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

11.1 **Likely Route of Exposure:** Inhalation Skin contact Ingestion

11.2 **Health Effects From Likely Route of Exposure:**

Acute

Ingestion: Low ingestion hazard in normal use. Considered an unlikely route of entry in commercial/industrial environments. May cause irritation to the gastrointestinal system. Symptoms may include pain nausea, vomiting and diarrhea.

Eye: Irritating to eyes, causing redness, swelling and pain.

Skin: May cause irritation in contact with skin, resulting in redness and possibility dermatitis. The material may accentuate pre-existing skin conditions.

Inhalation: Considered an unlikely route of entry in commercial/industrial environments. May cause irritation to the mucous membranes and upper airways. Symptoms of exposure can include coughing and sneezing.

Chronic

Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

Skin: The material may cause skin irritation after prolonged or repeated exposure in susceptible individuals and may produce a contact dermatitis (non-allergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis.

Inhalation: No known applicable information. Intentional misuse by concentrating/inhaling contents may be injurious to health or lethal.

11.3 **Other Information:** No known applicable information.

12. ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity:** Not available.
- Bioaccumulation:** No bioaccumulation potential.
- 12.2 **Environmental Fate and Distribution:** Biodegradable.
- 12.3 **Fate and Effects in Waste Water Treatment Plants:** No adverse effects on bacteria are predicted.

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