



MATERIAL SAFETY DATA SHEETS

Sunlight Dishwashing Liquid Version: 1 Issued: 15th December 2008 Page 1 of 6

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 Dishwashing Liquid
1.2 UN Proper Shipping Name:	Not Applicable
1.3 Recommended Use:	Dishwashing 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 Irritating to eyes.
2.3 Safety Phrases:	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Water	7732-18-5	> 60
Anionic Surfactants	Proprietary	< 20
Urea	57-13-6	< 5
Sodium Hydroxide	1310-73-2	< 5
Citric Acid	77-92-9	< 1
Sodium Chloride	7647-14-5	< 1
Fragrance	Proprietary	< 1
1,2-Benzisothiazolin-3-one	2634-33-5	< 0.1
Colours	Proprietary	< 0.1

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4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

Ingestion:	Do not induce vomiting. Seek immediate medical attention.
Eye:	Immediately flush with water for at least 15 minutes. Seek immediate medical attention.
Skin:	Remove any contaminated clothing. Wash off skin with water.
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:	Eye wash station.
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.
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. Caution, spill site may be slippery.
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. Laws and regulations may apply to releases and 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.

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7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:** Use with adequate ventilation. Avoid breathing mist. Avoid eye contact. Avoid prolonged contact with the skin. 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, strong acids and foodstuff containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:**
- | Ingredients | Exposure Limits |
|-------------|-----------------|
|-------------|-----------------|
- 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: | Yellow, translucent liquid |
| Odour: | Characteristic citrus odour. |
| pH: | 5.0 - 6.5 (Neat) |
| Viscosity (cP @ 25°C): | 600 – 1100 |
| Vapor Pressure: | Not applicable |
| Vapor Density: | Not applicable |
| Boiling Point (°C): | Approximately 100°C |
| Freezing Point (°C): | Not determined |
| Melting Point (°C): | Not determined |
| Solubility In Water (g/100 mL): | Soluble in all proportions |
| Specific Gravity (@ 25°C): | ~1.03 g/mL |
| Flash Point (°C): | Not determined |
| Lower Explosive Limit (%): | Not determined |

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Upper Explosive Limit (%):	Not determined
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 and Sulphur.
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. Low toxicity. Large doses may result in nausea, vomiting and gastrointestinal irritation.

Eye:

Irritant. Direct contact may produce irritation to the eye causing lacrimation, inflammation, pain and redness. Repeated or prolonged exposure to irritants may produce corneal damage or conjunctivitis.

Skin:

No significant irritation expected from a single short-term exposure. Itching, redness and rash may occur in susceptible individuals. The material may accentuate pre-existing skin conditions.

Inhalation:

Considered an unlikely route of entry in commercial/industrial environments. Inhalation hazard is increased at higher temperatures - Acute effects from inhalation of high concentrations of vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression - characterised by headache and dizziness, increased reaction time, fatigue and loss of co-ordination.

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.

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12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Contains component which is toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
- Bioaccumulation:** No bioaccumulation potential.
- 12.2 Environmental Fate and Distribution:** Inherently degradable, slow degradation resultant of limited bio availability, the materials degrade rapidly when dissolved in water.
- 12.3 Fate and Effects in Waste Water Treatment Plants:** No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

- 13.1 Disposal Method:** Single unit: Empty container (keep separate from other wastes). Rinse container, remove or obliterate labeling before sending to landfill or recycler.
Large amounts: Reclaim or dispose of in accordance with local, state and federal regulations. Product contains environmentally hazardous component
- 13.2 Special Precautions for Landfill or Incineration:** None known.

14. TRANSPORTATION INFORMATION

- 14.1 UN Number:** Not applicable.
- 14.2 UN Proper Shipping Name:** Not applicable.
- 14.3 Dangerous Goods Class:** Not applicable.
- Packing Group:** Not applicable.
- 14.4 Special Precautions for User:** Not applicable.
- 14.5 HAZCHEM Code:** Not applicable.
- Additional Shipping Information:** Not applicable.

15. REGULATORY INFORMATION

- 15.1 SUSDP Poisons Schedule:** Not applicable.
- 15.2 Prohibition / Licensing Requirements:** There are no applicable prohibition or notification / licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.
- 15.3 Industrial Chemicals (Notification and Assessment) Act 1989:** All ingredients are listed on or exempt from the *Australia Inventory of Chemical Substances (AICS)*.

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16. OTHER INFORMATION

- 16.1 Issue Date:** 15th December 2008
- 16.2 Contact Points:**
- Title / Position:** Research & Development Manager
- Telephone:** (03) 5820 5204 (Australia: Weekdays 8.00am to 5.00pm)
- E-mail:** enquiries@pental.com.au
- 16.3 After Hours Emergency Medical Assistance:** Poisons Information Centre
- Telephone:** Australia: 13 1126
New Zealand: 0800 764 766

Disclaimer:

This information is provided based on our current knowledge and is intended to describe the product for the purpose of health, safety and environment requirements only. Pental Products Pty Ltd makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material. Since Pental Products Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product.

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