



MATERIAL SAFETY DATA SHEETS

Power Wash Laundry Detergent**Version: 1****Issued: 10th August 2009****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:** Power Wash Laundry Detergent
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 Irritating to eyes.
2.3 **Safety Phrases:** S2 Keep out of reach of children.
S22 Do not breathe dust.
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.
S37 Wear suitable gloves

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Sodium Carbonate	497-19-8	> 60
Water and other non-hazardous substances	Proprietary	10 to 30%

This product contains: Alkaline Salts 790 g/Kg.

All other ingredients not hazardous according to EU criteria.

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4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

Ingestion:	Do not induce vomiting. If irritation develops or persists, obtain 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 soap and water. If irritation develops or persists, obtain medical attention.
Inhalation:	Remove from source of exposure. Monitor symptoms and progress to assess the need for medical attention. Apply resuscitation if victim is not breathing. If trained personnel available, administer oxygen if breathing is difficult.

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. However, under certain conditions, this material, if sufficiently distributed in air and a suitable source of ignition is present, may cause a dust explosion. 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.
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. Avoid generating dusts. Ventilate area. If possible, wet down area to prevent high dust levels. If available, use dustless methods, such as HEPA vacuum and filter. Otherwise, use a non-sparking shovel and place into suitably labelled container for disposal. Do not dry sweep. Laws and regulations may apply to releases and disposal of this material. 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 dust. 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:** Store away from sources of heat and ignition. Store away from oxidizing materials, strong acids, strong alkalis and foodstuff containers. Keep containers closed, when not using product. Store in original packages, as approved by manufacturer.

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. If dust cannot be controlled by use of ventilation, personal respiratory equipment should be employed.
- 8.4 Personal Protective Equipment:**
- | | |
|--------------------|--|
| Respiratory | Domestic quantities require no special equipment with normal careful use. Avoid breathing dusts. The use of a respirator is not normally required, however, if high dust levels are present, then the use of a suitable dust mask or half-face respirator with a P1 filter is recommended. |
| 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: | Blue, free-flowing powder. |
| Odour: | Characteristic lemon odour. |
| pH: | 11.0 – 12.0 (1% Solution) |
| Viscosity (cP @ 25°C): | Not applicable |
| Vapor Pressure: | Not applicable |
| Vapor Density: | Not applicable |
| Boiling Point (°C): | Not applicable |
| Freezing Point (°C): | Not applicable |
| Melting Point (°C): | Not applicable |

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Solubility In Water (g/100 mL):	Approximately 20%.
Specific Gravity (@ 25°C):	Not determined
Flash Point (°C):	Not determined
Lower Explosive Limit (%):	Not determined
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 and strong alkalis.
10.4 Hazardous Decomposition Products:	Oxides of Carbon.
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 mouth, throat and stomach, with effects including mucous build-up, irritation to the lips and tongue and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

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: May cause irritation to the nose, throat and respiratory system, with effects including dizziness, headache 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: 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:** No information available.
Bioaccumulation: No information available.
- 12.2 **Environmental Fate and Distribution:** No information available.
- 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 labelling before sending to landfill or recycler.
Large amounts: Reclaim or dispose of in accordance with local, state and federal regulations.
- 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:** 10th August 2009
- 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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