



MATERIAL SAFETY DATA SHEETS

**White King Cold Water Laundry
Bleach****Version: 1****Issued: 24th January 2011****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:** White King Cold Water Laundry Bleach
1.2 **UN Proper Shipping Name:** None allocated
1.3 **Recommended Use:** Laundry bleach
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):** R31 Contact with acids liberates toxic gas.
R36/38 Irritating to eyes and skin.
2.3 **Safety Phrases:** S2 Keep out of reach of children.
S24/25 Avoid contact with skin and eyes.
S46 If swallowed, seek medical advice immediately and show this container or label.
S50 Do not mix with acids.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Sodium Hypochlorite	7681-52-9	< 10
Sodium Hydroxide	1310-73-2	< 2.5
Ingredients determined not to be hazardous	-	Balance

MATERIAL SAFETY DATA SHEETS

White King Cold Water Laundry
Bleach

Version: 1 Issued: 24th January 2011

Page 2 of 6

4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

Ingestion:	Do not induce vomiting. Immediately remove product from the mouth and wash out mouth with plenty of water. Obtain immediate medical attention.
Eye:	Immediately hold the eyes open and wash with fresh running water. Take care not to rinse contaminated water into non-affected eye. Ensure complete irrigation of the eye by keeping the eyelids apart and away from the eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or at least 15 minutes. Obtain medical attention.
Skin:	Remove contaminated clothing and wash skin gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use, or discard. If symptoms develop, seek medical attention.
Inhalation:	Remove from source of exposure to fresh air. If symptoms develop, seek medical attention.

4.2 Medical Attention and Special Treatment

First Aid Facilities:	An eye wash fountain, safety shower and a general washing facility should be available immediately adjacent to the work area.
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:	Use appropriate fire extinguisher for surrounding environment. Do not use acidic media.
5.2 Hazards From Combustion Products:	May accelerate fire, due to oxidising properties. This material may emit toxic and/or irritating fumes under fire conditions. May give off chlorine vapours.
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:	Increase ventilation. Evacuate all unprotected personnel. Use full protective clothing and equipment to minimise exposure. Transfer material to a suitable labelled container for recycling or disposal. Wash contaminated surfaces well with water. If a large quantity of this material enters the environment, contact the relevant regulatory authorities. Dispose of waste according to Federal, E.P.A., State and Local regulations.
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MATERIAL SAFETY DATA SHEETS

White King Cold Water Laundry Bleach

Version: 1 Issued: 24th January 2011

Page 3 of 6

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. Minor Spills: Contain spill. Place inert absorbent material onto spillage. Mop up material and place into clean, dry, suitable labelled containers and close lids tightly. 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.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Use in a well ventilated area. Do not store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in spray, mists or vapours. Avoid eye contact. Avoid prolonged contact with the skin. Any exposure without protection should be prevented. 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 in a cool, dry, well ventilated area, away from heat and out of direct sunlight. Keep well closed when not in use and securely sealed against physical damage. Inspect regularly for deficiencies, such as damage or leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 National Exposure Standards: No value is assigned for this specific material by the National Occupational Health and Safety Commission (Australia). However, the available exposure limits for the ingredient Sodium Hydroxide as listed in the "Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003 (1995)]" published by the National Occupational Health and Safety Commission (Australia) are as follows:

Ingredients

Sodium Hydroxide
(CAS No. 1310-73-2)

Exposure Limits

Time Weighted Average (TWA): 2 mg/m³ (Peak limitation) and - ppm.

Short Term Exposure Limit (STEL): - mg/m³ and - ppm.

8.2 Biological Limit Values:

No biological limit allocated.

8.3 Engineering Controls:

Ensure adequate ventilation. If mists or vapours are produced local exhaust ventilation should be used.

8.4 Personal Protective Equipment: Respiratory

Domestic quantities require no special equipment with normal careful use. When handling bulk quantities. Avoid breathing mists or vapours. Where ventilation is inadequate and mists or vapours are generated, respiratory protective equipment should be used suitable for protecting against airborne contaminants. Reference should be made to Australian Standards: AS/NZS 1715 Selection, use and maintenance of respiratory protective devices; and AS/NZS 1716 Respiratory protective devices.

MATERIAL SAFETY DATA SHEETS

White King Cold Water Laundry
Bleach

Version: 1

Issued: 24th January 2011

Page 4 of 6

Eye	Wear safety glasses or goggles or face shield. Do not wear contact lenses. Ensure eyewash is available. Eye protection should conform with AS/NZS 1337 Eye protectors for industrial applications.
Skin	Wear gloves of impervious material. Refer to AS/NZS 2161.1 Occupational protective gloves – Selection use and maintenance. Wear appropriate clothing, including a chemical resistant apron, where clothing is likely to be contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Description / Properties

Appearance:	Light yellow liquid.
Odour:	Characteristic bleach odour
pH:	> 11.5
Viscosity	Not available
Vapor Pressure:	20 mbar, approx.
Vapor Density:	Not available
Boiling Point (°C):	100°C, approx.
Freezing Point (°C):	Not available
Melting Point (°C):	Not available
Solubility In Water:	Soluble
Specific Gravity (@ 25°C):	1.06
Flash Point (°C):	> 100°C
Flammability	Not available
Lower Explosive Limit (%):	Not available
Upper Explosive Limit (%):	Not available
Autoignition Temp (°C):	Not available
Decomposition Temp (°C):	Not available

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:	Sparks, flames and other ignition sources. Direct sunlight and heat.
10.3 Incompatible Materials:	Acidic substances.
10.4 Hazardous Decomposition Products:	Thermal decomposition may result in the release of toxic and/or irritating fumes.
10.5 Hazardous Reactions:	The product will react with acids to produce chlorine gas. Hazardous polymerisation will not occur.

MATERIAL SAFETY DATA SHEETS

White King Cold Water Laundry
Bleach

Version: 1 Issued: 24th January 2011

Page 5 of 6

11. TOXICOLOGICAL INFORMATION

11.1 Likely Route of Exposure: Inhalation Skin contact Ingestion

11.2 Health Effects From Likely Route of Exposure:

Acute

Ingestion: Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

Eye: Eye contact will cause stinging, blurring, lachrymation, severe pain and possible permanent corneal damage, if not treated immediately.

Skin: Skin contact will cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

Inhalation: Inhalation of mists or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.

Chronic

Ingestion: Not available.

Skin: Not available.

Inhalation: Not available.

11.3 Other Information: No known applicable information.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity: No data 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 information available.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method: Reclaim or dispose of in accordance with local, state and federal regulations.

13.2 Special Precautions for Landfill or Incineration: Performed in accordance with the Hazardous Substances (Disposal) Regulations 2001.

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

MATERIAL SAFETY DATA SHEETS

White King Cold Water Laundry
Bleach

Version: 1 Issued: 24th January 2011

Page 6 of 6

15. REGULATORY INFORMATION

- 15.1 SUSDP Poisons Schedule:** S5
- 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).

16. OTHER INFORMATION

- 16.1 Issue Date:** 24th January 2011
- 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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