



MATERIAL SAFETY DATA SHEETS

White King Bleach

Version: 1

Issued: 14th January 2016

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CLASSIFICATION OF MATERIAL

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 **Product:** White King Bleach
- 1.2 **UN Proper Shipping Name:** None allocated
- 1.3 **Recommended Use:** Household bleach
- 1.4 **Supplier:** Pental Products Pty Ltd
- 1.5 **A.B.N:** 68 103 213 467
- 1.6 **Address (Australia):** 48 Drummond Road, Shepparton, Victoria, 3630
- 1.7 **Telephone Number:** (03) 5820 5200 (Australia).
- 1.8 **Facsimile:** (03) 5820 5221 (Australia).
(03) 5820 5200 (Australia: Weekdays 8.00am to 5.00pm)
Poisons Information Centre Australia: 13 1126
- 1.9 **Emergency Telephone Numbers:** Poisons Information Centre New Zealand: 0800 764 766

2. HAZARDS IDENTIFICATION

- 2.1 **Hazard Classification:** Hazardous Substance. Non-Dangerous goods.
- 2.2 **GHS Classification:** Eye Damage Category 1.
Skin Irritation Category 2.
- 2.3 **Hazard Statements:** H303 May be harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
- 2.4 **Prevention Statements:** P102 Keep out of reach of children.
P103 Read label before use.
P104 Read Safety Data Sheet before use.
P264 Wash hands and skin thoroughly after handling.
P280 Wear protective gloves, protective clothing, eye and face protection.
- 2.5 **Response Statements:** P101 If medical advice is needed, have product container or label at hand.
P301+P312, P330, P331 IF SWALLOWED: call a Poison Centre or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.
P302+P352, P332+P313, P362 IF ON SKIN: wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before re-use.
P305+P351+P338, P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Centre or doctor.
- 2.6 **Storage Statements:** None.
- 2.7 **Disposal Statements:** P501 Dispose of waste material through a licensed contractor or facility.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Sodium Hypochlorite	7681-52-9	< 10
Sodium Hydroxide	1310-73-2	1 to 5
Coco Dimethyl Amine Oxide	70592-80-2	< 1
Ingredients determined not to be hazardous	-	Balance

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. Remove contact lenses, if present and safe to do so. 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 immediate medical attention.
Skin:	Remove contaminated clothing and wash skin thoroughly with soap and running water. Ensure contaminated clothing is washed before re-use, or discard. If symptoms develop, seek medical attention.
Inhalation:	Remove from source of exposure. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. 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:	exposure.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Equipment:	Use appropriate fire extinguisher for surrounding environment.
5.2 Specific Hazards Arising From The Chemical:	This product is non-flammable. This material may decompose and produce toxic and/or irritating fumes under fire conditions. Containers may rupture/explode under fire conditions.

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- 5.3 Special Protective Equipment and Precautions 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.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:** Avoid eye and skin contact. Determine whether to evacuate or isolate the area according to your local emergency plan. Increase ventilation. Evacuate all unprotected personnel. Use full protective clothing and equipment to minimise exposure.
- 6.2 Environmental Precautions:** Prevent run off into drains and waterways. 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.
- 6.3 Methods and Materials for Containment and Clean Up:** Observe all personal protective equipment recommendations described in this MSDS. Shovel or sweep up material avoiding dust generation, or dampen material to avoid airborne dust. Place into clean, dry, suitable labelled containers and close lids tightly. Wash contaminated surfaces well with soap and water. 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. Avoid contact with the skin and eyes. 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, Including Any Incompatibilities:** Store in a cool, dry, well ventilated area, away from direct sunlight and moisture. Keep well closed when not in use and securely sealed against physical damage. Store away from strong oxidizing agents and acids.

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 in the Occupational Environment [NOHSC: Health and Safety Commission (Australia) are as follows:
- | Ingredients | Exposure Limits |
|---|---|
| Sodium Hydroxide
(CAS No. 1310-73-2) | Time Weighed Average (TWA): 2mg/m ³ (Peak limitation) and - ppm.
Short Term Exposure Limit (STEL): - mg/m ³ and - ppm. |
- 8.2 Biological Limit Values:** No biological limit allocated.

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- 8.3 Engineering Controls:** Ensure adequate ventilation. If dust is generated, 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 dust. Where ventilation is inadequate and dust is 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.
- Eye** Wear safety glasses with side shields, goggles or face shield. Do not wear contact lenses. Ensure eyewash is available. Eye protection should conform to 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. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial Clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Description / Properties

Appearance:	Clear yellow liquid.
Odour:	Characteristic odour
pH:	>11.5
Viscosity	Very slightly thicker than water
Vapor Pressure:	Not available
Vapor Density:	Not available
Boiling Point (°C):	Not available
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 Reactivity:** The product will react with acids to produce chlorine gas.
- 10.2 Chemical Stability:** The product is stable under normal ambient conditions of temperature and pressure.

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- 10.3 Conditions To Avoid:** Sparks, flames and other ignition sources. Direct sunlight and heat.
- 10.4 Incompatible Materials:** Strong oxidising agents and strong acids.
- 10.5 Hazardous Decomposition Products:** Thermal decomposition may result in the release of toxic and/or irritating fumes, including oxides of carbon and sulphur.
- 10.6 Hazardous Reactions:** Hazardous polymerization 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:** May be harmful if swallowed. Symptoms may include pain, nausea, vomiting, diarrhoea and gastrointestinal irritation.
- Eye:** Risk of serious damage to eyes. On eye contact this product will cause stinging, blurring, lachrymation, severe pain and possible permanent corneal damage.
- Skin:** May cause irritation in contact with skin, resulting in itching, redness and possibly dermatitis. The material may accentuate pre-existing skin conditions
- Inhalation:** Considered an unlikely route of entry in commercial/industrial environments. Inhalation of vapours may cause irritation of the nose, throat and respiratory system.
- Chronic**
- Ingestion:** Repeated ingestion or swallowing large amounts may injure internally..
- Skin:** Prolonged or repeated skin contact may lead to dermatitis in some individuals.
- Inhalation:** Chronic exposure by inhalation may aggravate existing respiratory disorders.
- 11.3 Other Information:** No known applicable information.

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Not classified as ecotoxic in the aquatic environment.
- 12.2 Persistence and Degradability:** Inherently degradable, slow degradation resultant of limited bioavailability, the materials degrade rapidly when dissolved in water.
- 12.3 Bioaccumulation Potential:** No information available.
- 12.4 Mobility:** No information available.
- 12.5 Other Adverse Effects:** No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

- 13.1 Disposal Method:** Reclaim or dispose of in accordance with local and national regulations.
- 13.2 Disposal of Contaminated Packaging:** Empty container. Rinse container, remove or obliterate labelling before sending to landfill or recycler.

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13.3 Environmental Regulations: Not applicable.

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 Environmental Hazards: Not applicable.
14.5 Special Precautions for User: Not applicable
14.6 HAZCHEM Code: Not applicable
Additional Shipping Information: Not applicable

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: 14th January 2016
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:

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