



MATERIAL SAFETY DATA SHEETS

White King Premium Bleach Tablets**Version: 1****Issued: 8th July 2011****Page 1 of 6****- Regular**

CLASSIFICATION OF MATERIAL

Classified as hazardous according to the criteria of Safe Work Australia. Classified as environmentally hazardous substance according to the criteria of Australian Dangerous Goods Code (version 7)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 Product:** White King Premium Bleach Tablets - Regular
1.2 UN Proper Shipping Name: 3077 - Environmentally hazardous Substance, Solid, N.O.S
(Sodium dichloroisocyanurate dihydrate)
1.3 Recommended Use: Disinfecting Tablets
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. Dangerous Goods.
2.2 Risk Phrase(s): R22 Harmful if swallowed.
R31 Contact with acid liberates toxic gas.
R36/37 Irritating to eyes and respiratory system.
R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
2.3 Safety Phrases: S2 Keep out of reach of children.
S8 Keep container dry
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S41 In case of fire and/or explosion, do not breathe fumes.
S37/39 Wear suitable gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.
S60 This container and its content must be disposed as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Proportion % |
|--|------------|--------------|
| Sodium dichloroisocyanurate dihydrate | 51580-86-0 | > 60 |
| 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. 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 gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use, or discard. Obtain medical attention. |
| Inhalation: | Remove from source of exposure. Ensure airways are clear and have a qualified person give oxygen through a face mask if breathing is difficult. Obtain immediate 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: | CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
| 5.2 Hazards From Combustion Products: | This product is not combustible. Thermal decomposition may result in the release of toxic and/or irritating fumes, including chlorine, oxides of carbon and sulphur. |
| 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: | 4WE |

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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Emergency Procedures:** 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. 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.
- 6.2 Methods and Materials for Containment and Clean Up:** Observe all personal protective equipment recommendations described in this MSDS. Sweep up the material and 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. You will need to determine which laws and regulations are applicable.

7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:** Wear suitable protective clothing, gloves and eye/face protection when mixing or using. Use in a well ventilated area. Avoid breathing in dust. Avoid skin and eye contact. Any exposure without protection should be prevented. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking, smoking or using toilet facilities.
- 7.2 Conditions for Safe Storage:** Store in a cool, dry, well ventilated area, away from moisture and out of direct sunlight. Store in labelled corrosion-resistant containers. Keep containers tightly closed. Store away from acids and materials that support combustion.
- 7.3 Storage Regulations** Reference should be made to Australian Standard AS 3780, The storage and handling of corrosive substances.

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).
- 8.2 Biological Limit Values:** No biological limit allocated.
- 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.

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| | |
|-------------|---|
| Eye | Eye protection is not required under normal conditions of use, as material is a solid. However, if there is a risk of eye splashes or product entering the eye, safety glasses with side shields or face shield, should be worn. 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: | Solid block. |
| Odour: | Characteristic |
| pH: | Slightly acidic. |
| 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): | Not available |
| Flash Point (°C): | Not available |
| Flammability | Not flammable or combustible |
| 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: | Extreme of temperature and moisture. |
| 10.3 Incompatible Materials: | Strong oxidising agents and strong acids. |
| 10.4 Hazardous Decomposition Products: | Thermal decomposition may result in the release of toxic and/or irritating fumes, including oxides of carbon and sulphur. |
| 10.5 Hazardous Reactions: | Hazardous polymerisation will not occur. |

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11. TOXICOLOGICAL INFORMATION

11.1 Likely Route of Exposure: Inhalation Skin contact Ingestion

11.2 Health Effects From Likely Route of Exposure:

Acute

Ingestion: Harmful if swallowed. May cause irritation to the mouth, oesophagus and stomach. Symptoms may include nausea, vomiting and abdominal pain.

Eye: Corrosive to ocular tissue. Will cause irritation in contact with the eyes, which may result in redness, itching and lachrymation.

Skin: Will cause irritation in contact with the skin, which may result in redness and possible dermatitis.

Inhalation: Inhalation of dust may cause irritation to the mucous membrane and upper airways. Symptoms may include headaches and breathing difficulties.

Chronic

Ingestion: Not available.

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 Toxicology: LD50 rat 1400 mg/kg (oral)

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity: Very toxic to the aquatic environment.
EC50 0.196 mg/L (daphnia)

12.2 Persistence/Degradability: No information available.

12.3 Mobility: No information available.

12.4 Environmental Protection: Avoid contaminating waterways. Do not discharge the product into drains or sewers.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method: Reclaim or dispose of in accordance with local and national regulations.

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

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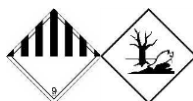
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14. TRANSPORTATION INFORMATION

- 14.1 UN Number: 3077
14.2 UN Proper Shipping Name: Environmentally hazardous Substance, Solid, N.O.S
(Sodium dichloroisocyanurate dihydrate)
14.3 Dangerous Goods Class: 9
Packing Group: III
14.4 Special Precautions for User: May release dangerous gases (chlorine) if mixed with water.
14.5 HAZCHEM Code: 4WE
Additional Shipping Information:



15. REGULATORY INFORMATION

- 15.1 SUSMP Poisons Schedule: S6
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: 8th July 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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