



SAFETY DATA SHEETS

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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 Tablets Lemon
- 1.2 **UN Proper Shipping Name:** 3077 - Environmentally hazardous substance, Solid, N. O. S. (Sodium dichloroisocyanurate dehydrate)
- 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 (Environmentally Hazardous).
- 2.2 **GHS Classification:** Acute Toxicity 4.
Eye Irritation 2A.
Specific Target Organ Toxicity Following Single Exposure 3.
Acute Hazard To The Aquatic Environment 1.
Long-Term Hazard To The Aquatic Environment 1.
- 2.3 **Signal Word:** WARNING
- 2.4 **Hazard Statements:** H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
AUH031 Contact with acids liberates toxic gas.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
- 2.5 **Prevention Statements:** P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P104 Read Safety Data Sheet before use.
P261 Avoid breathing dusts, fumes or vapours.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves, eye and face protection.
P403 + P233 Store in a well-ventilated place. Keep container tightly

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- 2.6 **Response Statements:** closed.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P330 Rinse mouth.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.
P391 Collect spillage.
- 2.7 **Storage Statements:** P405 Store locked up.
- 2.8 **Disposal Statements:** P501 Dispose of waste material through a licensed contractor or facility.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Sodium Dichloroisocyanurate Dihydrate	51580-86-0	> 60
Adipic Acid	124-04-9	10 - 25
Fragrance	Proprietary	< 0.1
Precipitated Silica	112926-008	< 0.1
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. 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 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.

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Advice to Doctor:

Treat symptomatically. Symptoms of poisoning may occur after several hours, so medical observation may be required for 48 hours after the accident.

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 not combustible. This material may decompose upon heating, producing toxic and/or irritating fumes, including chlorine and oxides of carbon and sulphur.
- 5.3 Special Protective Equipment 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.
- 5.4 Hazchem Code:** 4WE

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, Protective Equipment and 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.
- 6.2 Environmental Precautions** 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. Sweep up the material and place into clean, dry, suitable labelled container for recycling or disposal. 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. Do not store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in dust. Avoid eye contact. Avoid 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, smoking or using toilet facilities.
- 7.2 Conditions for Safe Storage, Including Any Incompatibilities:** Store in a cool, dry, well ventilated area, away from moisture and out of direct sunlight. Store in labelled, corrosion resistant containers. Keep well closed when not in use and securely sealed against physical damage. Inspect regularly for deficiencies, such as damage or leaks. Store away from acids and materials that support combustion.

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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 Precipitated silica 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:

Ingredient**Exposure limits**

Precipitated silica
(CAS# 112926-00-8)

Time weighed average – 10mg/m³
STEL: - ppm - mg/m³

This value is for inspirable dust containing no asbestos and less than 1% crystalline silica. See chapter 14 of the Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 3008 (1995)].

- 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.
- Eye**
Eye protection is not required under normal conditions of use, as material is a solid. However, if there is a risk of splashes or product entering the 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:** White solid
- Odour:** Characteristic
- pH:** Slightly acidic
- Viscosity** Not applicable
- Vapor Pressure:** Not available
- Vapor Density:** Not available
- Boiling Point (°C):** 265°C
- Freezing Point (°C):** Not available
- Melting Point (°C):** Not available

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Solubility In Water:	Soluble
Specific Gravity (@ 25°C):	Not available
Flash Point (°C):	196°C
Flammability	Not 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 Reactivity	Contact with acids liberates toxic gas (chlorine).
10.2 Chemical Stability:	The product is stable under normal ambient conditions of temperature and pressure.
10.3 Conditions To Avoid:	Direct sunlight and heat. Moisture.
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.
10.6 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: Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, oesophagus and stomach. Symptoms may include nausea, vomiting and abdominal pain.

Eye: Causes serious eye irritation. Direct contact may produce irritation to the eye causing lachrymation, inflammation, pain and redness. Repeated or prolonged exposure to irritants may produce corneal damage or conjunctivitis.

Skin: May cause irritation in contact with skin, resulting in itching, redness and possibly dermatitis. The material may accentuate pre-existing skin conditions.

Inhalation: Inhalation of dusts may result in irritation to the mucous membranes and upper respiratory tract. Symptoms may include headache and breathing difficulties.

Chronic

Ingestion: Not available.

Skin: Prolonged or repeated skin contact may lead to dermatitis in some individuals and may exacerbate pre-existing medical conditions.

Inhalation: Chronic exposure to the by inhalation may aggravate existing respiratory disorders.

11.3 Other Information: No known applicable information.

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12. ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity:** Very toxic to aquatic life with long lasting effects
EC50: 0.196mg/L (daphnia).
- 12.2 **Persistence and Degradability:** No information available.
- 12.3 **Bioaccumulative Potential:** No information available.
- 12.4 **Mobility in Soil** No information available.
- 12.5 **Other Adverse Effects:** No information available.

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.
- 13.3 **Environmental Regulations:** Not applicable.

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 if mixed with water.
- 14.5 **HAZCHEM Code:** 4WE
- Additional Shipping Information:**



15. REGULATORY INFORMATION

- 15.1 **SUSDP 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:** 7th October 2015
- 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

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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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