



MATERIAL SAFETY DATA SHEETS

Janola Premium Bleach

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CLASSIFICATION OF MATERIAL

Classified as hazardous according to criteria of the Hazardous Substances [Classification]
Regulations 2001 (New Zealand)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 **Product:** Janola Premium 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:** 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 **HSNO Classification:** 6.1E Substance that is acutely toxic (oral).
6.1E Substance that is acutely toxic (inhalation).
8.2C Substance that is corrosive to dermal tissue.
8.3A Substance that is corrosive to ocular tissue.
9.1D Substance that is slightly harmful to the aquatic environment.
2.3 **Hazard Statements:** H303 May be harmful if swallowed.
H333 May be harmful if inhaled.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H422 Harmful to terrestrial invertebrates.
2.4 **Prevention Statements:** P102 Keep out of reach of children.
P103 Read label before use.
P104 Read Safety Data Sheet before use.
P260 Do not breathe mist, vapours or spray.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves, protective clothing, eye protection and face protection.

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- 2.5 Response Statements:** P101 If medical advice is needed, have product container or label at hand. P301+P330+P331, P310 If swallowed, rinse mouth, do NOT induce vomiting. Immediately call a Poison Centre or doctor. P303+P361+P353, P310, P363 If on skin (or hair), immediately remove all contaminated clothing. Rinse skin with water. Immediately call a Poison Centre or doctor. Wash contaminated clothing before re-use. P304+P340, P310 If inhaled, remove to fresh air and keep in a position comfortable for breathing. Immediately call a Poison Centre or doctor. 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:** P405 Store locked up.
- 2.7 Disposal Statements:** P501 Dispose of waste material through a licensed contractor or facility.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Sodium Hypochlorite	7681-52-9	< 5
Sodium Hydroxide	1310-73-2	< 3
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 thoroughly with running water. Ensure contaminated clothing is washed before re-use, or discard. Obtain medical attention.
- Inhalation:** Remove from source of exposure. Apply artificial respiration if not breathing. 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.

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5. FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media:** Use appropriate fire extinguisher for surrounding environment.
- 5.2 Hazards From Combustion Products:** This product is not combustible. This material may decompose and produce corrosive and/or toxic fumes under fire conditions.
- 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:** 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. Contain spill. Prevent run off into drains and waterways. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into clean, dry, suitable labelled containers and close lids tightly. Wash contaminated surfaces well with 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:** Corrosive liquid. Attacks skin and eyes. May produce severe burns. 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. 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, smoking or using toilet facilities.
- 7.2 Conditions for Safe Storage:** Store in a cool, dry, well ventilated area, away from heat and out of direct sunlight. Keep away from oxidising agents and acids. Keep well closed when not in use and securely sealed against physical damage.
- 7.3 Corrosiveness** Not corrosive to aluminium as defined by the NZS 5433:2007 Transport of Dangerous Goods on Land.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:** No exposure standards have been established for this material by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, exposure standards for ingredients as defined by the Occupational Safety and Health Service (OSH) Workplace Exposure Standards and Biological Indices (December 2010) are stated below:

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.

Eye:

Wear safety glasses or goggles or face shield if handling large quantities. 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. 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:

Not available

pH:

> 11.5

Viscosity

Very slightly thicker than water.

Vapor Pressure:

Not available

Vapor Density:

Not available

Boiling Point (°C):

100°C

Freezing Point (°C):

Not available

Melting Point (°C):

Not available

Solubility In Water:

Soluble

Specific Gravity (@ 25°C):

1.06

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Flash Point (°C):	Not available
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	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:	Strong oxidising agents and strong acids.
10.4	Hazardous Decomposition Products:	Thermal decomposition may result in the release of corrosive and/or toxic fumes.
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:	Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.
Eye:	Causes burns. Eye contact will cause stinging, blurring, lachrymation, severe pain and possible permanent corneal damage, if not treated immediately. Burns to the eye may cause blindness.
Skin:	Corrosive to the skin. Skin contact will cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.
Inhalation:	Corrosive to the respiratory system. 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. The symptoms of pulmonary oedema may not manifest until a few hours have passed and they are aggravated by physical effort.

Chronic

Ingestion:	Not available.
Skin:	Prolonged or repeated skin contact may lead to dermatitis in some individuals.
Inhalation:	Chronic exposure by inhalation may lead to respiratory disorders, or it may aggravate existing respiratory disorders, such as emphysema and chronic bronchitis.

11.3 **Toxicology:** No toxicity data are available for this specific product. The available data for the ingredients are as follows:

Sodium Hydroxide
LD50 (Intraperitoneal, Mouse); 40 mg/kg.
Skin (Rabbit, 500 mg/24 hour): Severe irritation.
Eyes (Rabbit, 1mg/30 sec rinse): Severe irritation.

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12. ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity:** No information available.
- 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.

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 **Regulatory Information:** All ingredients are listed on, or exempt from, the *New Zealand Inventory of Chemicals (NZIoC)*.
- 15.2 **Group Standard:** Cleaning Products (Corrosive) Group Standard 2006
- 15.3 **HSNO Approval Number:** HSR002526

16. OTHER INFORMATION

- 16.1 **Issue Date:** 28th February 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

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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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