

**MATERIAL SAFETY DATA SHEETS**

White King Stain-Lift

Version: 1

Issued: 31st January 2011

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CLASSIFICATION OF MATERIAL

Not 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 Stain Lift |
| 1.2 | UN Proper Shipping Name: | None allocated |
| 1.3 | Recommended Use: | Pre-wash laundry stain remover |
| 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: | Non-Hazardous Substance. Non-Dangerous Goods. |
| 2.2 | Risk Phrase(s): | Nil. |
| 2.3 | Safety Phrases: | Nil. |

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Proportion % |
|--------------------------------------------|-------------|--------------|
| Ethylene Glycol | 107-21-1 | < 20 |
| Isopropanolamine | 78-96-6 | < 5 |
| Amylase | 9000-90-20 | < 1 |
| Preservative | Proprietary | < 1 |
| Fragrance | Proprietary | < 1 |
| Subtilisin | 9014-01-1 | < 1 |
| Calcium Chloride | 10043-52-4 | < 1 |
| Ingredients determined not to be hazardous | - | Balance |

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4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

| | |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingestion: | Do not induce vomiting. Immediately remove product from the mouth, wash out mouth and drink one glass of water. If symptoms develop, seek 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. If symptoms persist, seek medical attention. |
| Skin: | Not usually required, however under extreme conditions, wash skin gently and thoroughly with water and non-abrasive soap. If symptoms develop, seek medical attention. |
| Inhalation: | Not usually required, however under extreme conditions, 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. |
| 5.2 Hazards From Combustion Products: | Under fire conditions this product may emit toxic and/or irritating fumes. |
| 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. Do not allow the product to enter surface water or ground 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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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. Collect material and place into clean, dry, suitable labelled containers. 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. Avoid contact with skin and eyes. 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).

8.2 Biological Limit Values: No biological limit allocated.

8.3 Engineering Controls: Ensure adequate ventilation.

8.4 Personal Protective Equipment: Respiratory

Domestic quantities require no special equipment with normal careful use. When handling bulk quantities. Not required under normal conditions of use. However, under extreme circumstances, if engineering controls are not effective in controlling airborne exposure, then respiratory protection should be used 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

Domestic quantities require no special equipment with normal careful use. 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

Domestic quantities require no special equipment with normal careful use. Wear gloves of impervious material. Refer to AS/NZS 2161.1 Occupational protective gloves – Selection use and maintenance.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Description / Properties

| | |
|-----------------------------------|---------------------------|
| Appearance: | Thin, pale yellow liquid. |
| Odour: | Characteristic odour |
| pH: | 8 – 9 |
| Viscosity | Not available |
| 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): | 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: | Direct sunlight and heat. |
| 10.3 Incompatible Materials: | Strong oxidising agents. |
| 10.4 Hazardous Decomposition Products: | Not known. |
| 10.5 Hazardous Reactions: | Hazardous polymerisation will not occur. |

11. TOXICOLOGICAL INFORMATION

| | | | |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|
| 11.1 Likely Route of Exposure: | <input checked="" type="checkbox"/> Inhalation | <input checked="" type="checkbox"/> Skin contact | <input type="checkbox"/> Ingestion |
| 11.2 Health Effects From Likely Route of Exposure: | | | |
| Acute | | | |
| Ingestion: | May cause irritation of the gastrointestinal tract, causing nausea and vomiting. | | |
| Eye: | May cause eye irritation, lachrymation, stinging, blurred vision and redness. | | |
| Skin: | May cause redness, itching and irritation. | | |
| Inhalation: | Inhalation of vapours may cause irritation of the nose, throat and respiratory system. | | |

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Chronic

Ingestion: Not available.

Skin: Repeated or prolonged exposure may cause irritation in individuals with sensitive skin.

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. Do not dump into sewers, onto ground, or into any body of water.

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

15. REGULATORY INFORMATION

15.1 SUSDP Poisons Schedule: Not scheduled

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)*.

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16. OTHER INFORMATION

- 16.1 Issue Date:** 31st 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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