



MATERIAL SAFETY DATA SHEETS

Jiffy Firelighters

Version: 2

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CLASSIFICATION OF MATERIAL

Not 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:** Jiffy Firelighters
1.2 **UN Proper Shipping Name:** None allocated
1.3 **Recommended Use:** Firelighters
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
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2. HAZARDS IDENTIFICATION

- 2.1 **Hazard Classification:** Non-hazardous Substance. Non-Dangerous Goods.
2.2 **GHS Classification:** Not applicable.
2.3 **Hazard Statements:** No hazard statements.
2.4 **Prevention Statements:** P102 Keep out of reach of children.
P103 Read label before use.
P104 Read Safety Data Sheet before use.
2.5 **Response Statements:** No response statements.
2.6 **Storage Statements:** No storage statements.
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 %
Paraffin	64771-72-8	> 60
Urea Formaldehyde Resin ¹	9011-05-6	< 20
Water	7732-18-5	< 20
Emulsifier	68081-81-2	< 0.5
Hydrochloric Acid	7647-01-0	< 0.1

¹ Contains formaldehyde at a maximum concentration of 0.5%.

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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 mouth and wash out mouth with plenty of water. Give two glasses of water to drink and obtain medical attention.
Eye:	Immediately hold the eyes open and flush with fresh running water. 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 irritation develops, obtain medical attention.
Skin:	Wash off skin with soap and water. If irritation develops, obtain medical attention.
Inhalation:	Remove from source of exposure. Monitor symptoms and progress to assess the need for medical attention.

4.2 Medical Attention and Special Treatment

First Aid Facilities:	Eye wash station.
Comments:	Treat according to person's condition and specifics of exposure.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Equipment:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
5.2 Specific Hazards Arising From The Chemical:	On combustion: carbon oxides and traces of incompletely burned carbon compounds, sulphur oxides and nitrogen oxides.
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:	Determine whether to evacuate or isolate the area according to your local emergency plan. Use full protective equipment and clothing to minimise exposure.
6.2 Environmental Precautions:	Do not allow large quantities to enter drains or surface waters.
6.3 Methods and Materials for Containment and Clean Up:	Observe all personal protective equipment recommendations described in this MSDS. Minor Spills: Scoop up spill and place into a suitable labelled container. Major Spills: Contain spill. Shovel material into clean, dry, suitable labelled containers and close lids tightly. Laws and regulations may apply to releases and disposal of this material. You will need to determine which laws and regulations are applicable.

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7. HANDLING AND STORAGE

- 7.1 **Precautions for Safe Handling:** Use with adequate ventilation. Avoid eye contact and avoid prolonged contact with the skin. 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, out of direct sunlight. Avoid sparks, flames and other ignition sources. Store away from incompatible materials, such as oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 **National Exposure Standards:** Exposure limits have been set for the following ingredients 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):

Ingredients

Exposure Limits

Formaldehyde
(CAS No. 50-00-0)

Time Weighted Average (TWA): 1.2 mg/m³ and 1 ppm.
Short Term Exposure Limit (SETL): 2.5 mg/m³ and 2 ppm.
Carcinogen Category: 2

- 8.2 **Biological Limit Values:**

No biological limit allocated.

- 8.3 **Engineering Controls:**

Ensure adequate ventilation. Maintain air concentrations below exposure limits.

- 8.4 **Personal Protective Equipment:**

Respiratory

Domestic quantities require no special equipment with normal careful use. When handling bulk quantities. Avoid breathing dusts or vapours. Where ventilation is inadequate and dusts 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

Domestic quantities require no special equipment with normal careful use. When handling bulk quantities. Avoid eye contact. Safety glasses with side shields, goggles or face shield should be worn. Eye protection should conform with AS/NZS 1337 Eye protectors for industrial applications.

Skin

Domestic quantities require no special equipment with normal careful use. Care should be taken with sensitive or damaged skin. When handling bulk quantities. 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Description / Properties

Appearance:	White to off-white, opaque solid.
Odour:	Characteristic paraffin odour.
pH:	Not applicable
Viscosity (cP @ 25°C):	Not applicable
Vapor Pressure:	< 0.1 kPa at 40°C (Solvent)
Vapor Density:	> 5 (Solvent)
Boiling Point (°C):	170 – 290°C (Solvent)
Freezing Point (°C):	Not determined
Melting Point (°C):	Not applicable
Solubility In Water (g/100 mL):	Insoluble
Specific Gravity (@ 25°C):	~0.8 g/mL
Flash Point (°C):	> 63°C (Solvent)
Lower Explosive Limit (%):	0.5% (Solvent)
Upper Explosive Limit (%):	6.0% (Solvent)
Autoignition Temp (°C):	Not determined
Decomposition Temp (°C):	Not determined

10. STABILITY AND REACTIVITY

10.1 Reactivity:	Hazardous polymerisation will not occur.
10.2 Chemical Stability:	The product is stable under normal ambient conditions of temperature and pressure.
10.3 Conditions To Avoid:	Extremes of temperature and direct sunlight. Sparks, flames and other ignition sources.
10.4 Incompatible Materials:	Strong oxidising agents.
10.5 Hazardous Decomposition Products:	Thermal decomposition may result in the release of toxic and/or irritating fumes, including oxides of carbon, nitrogen and sulphur.

11. TOXICOLOGICAL INFORMATION

11.1 Likely Route of Exposure: Inhalation Skin contact Ingestion

11.2 Health Effects From Likely Route of Exposure:

Acute

Ingestion:	Low ingestion hazard in normal use. Considered an unlikely route of entry in commercial/industrial environments. May result in irritation of the upper gastrointestinal tract, nausea and stomach pain.
Eye:	Direct contact may produce irritation to the eye causing lacrimation, inflammation, pain and redness.
Skin:	No significant irritation expected from a single short-term exposure.
Inhalation:	Considered an unlikely route of entry in commercial/industrial environments.

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Chronic	
Ingestion:	Repeated ingestion or swallowing large amounts may injure internally.
Skin:	The material may cause skin irritation after prolonged or repeated exposure in susceptible individuals.
Inhalation:	No known applicable information.
11.3 Other Information:	No known applicable information.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material. Long term adverse effects to aquatic organisms are not expected.
12.2 Persistence and Degradability:	The paraffin component of this product is expected to biodegrade at a moderate rate and be "inherently" biodegradable according to OECD guidelines.
12.3 Bioaccumulation Potential:	No bioaccumulation potential.
12.4 Mobility in Soil:	No information available.
12.5 Other Adverse Effects:	No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method:	Single unit: Incineration or dispose in household waste. Large amounts: Incineration.
13.2 Disposal of Contaminated Packaging:	Dispose in household waste.
13.3 Environmental Regulations:	Reclaim or dispose of in accordance with local, state and federal regulations.

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 During Transport:	Not applicable.
14.6 HAZCHEM Code:	Not applicable.
Additional Shipping Information:	Not applicable.

15. REGULATORY INFORMATION

15.1 SUSDP Poisons Schedule:	Not applicable.
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 <i>Australian Inventory of Chemical Substances</i> (AICS).

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16. OTHER INFORMATION

- 16.1 Issue Date: 26th March 2014
- 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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