



ABN 68 103 213 467

**PENTAL LIMITED**  
TRADING AS PENTAL PRODUCTS PTY LTD  
48 Drummond Road, Shepparton VIC 3630  
Telephone: 03 5820 5200, Fax : 03 5820 5221

---

## SAFETY DATA SHEET

---

Little Lucifer Firelighters

Version: 4

Issued: 30<sup>th</sup> August 2017

Page 1 of 9

---

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1	<b>Product:</b>	Little Lucifer Firelighters
1.2	<b>UN Proper Shipping Name:</b>	None allocated
1.3	<b>Recommended Use:</b>	Firelighters
1.4	<b>Supplier:</b>	Pental Products Pty Ltd
1.5	<b>A.B.N:</b>	68 103 213 467
1.6	<b>Address:</b>	48 Drummond Road, Shepparton, Victoria, 3630
1.7	<b>Telephone Number:</b>	(03) 5820 5200 (Australia).
1.8	<b>Facsimile:</b>	(03) 5820 5221 (Australia).
1.9	<b>E-mail:</b>	enquiries@pental.com.au
1.10	<b>Emergency Telephone Numbers:</b>	Research & Development Manager (03) 5820 5204 (Australia: Weekdays 8.00am to 5.00pm) Poisons Information Centre (Australia): 13 1126 Poisons Information Centre (New Zealand): 0800 764 766

### 2. HAZARDS IDENTIFICATION

#### AUSTRALIAN CLASSIFICATION

##### GHS Hazard Classification:

(According to Work Health and Safety Regulations 2011)

Eye irritation, category 2

Skin sensitisation, category 1

Respiratory sensitisation, category 1

#### NEW ZEALAND CLASSIFICATION

Classified as hazardous according to the Hazard Substances (Minimum Degree of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

**HSNO Classification:** 6.3B, 6.4A, 6.5A, 6.5B

#### GHS Hazard Pictogram(s):



Exclamation mark    Health hazard

**GHS Signal Word:** Warning

#### **Hazard Statements:**

H319 Causes serious eye irritation.



ABN 68 103 213 467

## SAFETY DATA SHEET

Little Lucifer Firelighters

Version: 4

Issued: 30<sup>th</sup> August 2017

Page 2 of 9

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Precautionary Statements:

#### General:

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P103 Read label before use.

#### Prevention:

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 In case of inadequate ventilation wear respiratory protection.

P261 Avoid breathing dust/fume/vapours.

P272 Contaminated work clothing *should* not be allowed out of the workplace.

#### Response:

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.

P302+P352 IF ON SKIN, wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs, get medical advice/attention.

P321 Specific treatment (refer to First Aid Measures).

P362+P364 Take off contaminated clothing and wash it before re-use.

P304+P340 IF INHALED remove to fresh air and keep at rest in a position comfortable for breathing.

P342+P311 If experiencing respiratory symptoms: Call a POISONS CENTRE or doctor/physician.

#### Storage:

No storage statements.

#### Disposal:

P501 Dispose of contents / container in accordance with local and national regulations.

Poison Schedule (Australia): S6

SUSMP Signal Word(s): POISON

#### Other hazards which do not result in a classification:

No data available.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Naphtha, petroleum, hydrotreated heavy (Paraffin)	64742-48-9	> 60
Water	7732-18-5	10 - <30
Urea formaldehyde polymer <sup>1</sup>	9011-05-6	< 10
Sodium alkyl benzene sulfonate	68081-81-2	< 0.5
Formaldehyde	50-00-0	<0.1
*Non-hazardous ingredients	-----	Balance

# SAFETY DATA SHEETS

*\* (Ingredients present at non-hazardous concentrations, according to criteria of SWAC (Australia), and the Hazardous Substances (Classification) Regulations 2001 (New Zealand), based on available information).*

## 4. FIRST AID MEASURES

### 4.1 Description of Necessary First Aid Measures

<b>Ingestion:</b>	Do not induce vomiting. Immediately remove product from mouth and wash out mouth with water. If symptoms develop obtain medical attention.
<b>Eye:</b>	Immediately flush the eye continuously with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Remove contact lenses, if present and easy to do so. Continue rinsing. If symptoms persist seek medical attention.
<b>Skin:</b>	Wash thoroughly with soap and water. If irritation develops, obtain medical attention.
<b>Inhalation:</b>	Move the person away from the contaminated area. Make the affected person rest. If necessary seek medical advice.

### 4.2 Medical Attention and Special Treatment

<b>First Aid Facilities:</b>	Eye wash fountain and normal washroom facilities.
<b>Comments:</b>	Treat according to person's condition and specifics of exposure
<b>Medical conditions possibly aggravated by exposure:</b>	May aggravate existing skin, eye, and respiratory conditions.
<b>Advice to Doctor:</b>	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>5.1 Suitable Extinguishing Equipment:</b>	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO <sub>2</sub> ), dry chemical or water spray. Water can be used to cool fire exposed containers.
<b>5.2 Specific Hazards Arising From The Chemical:</b>	On combustion: carbon oxides and traces of incompletely burned carbon compounds, oxides of carbon (CO + CO <sub>2</sub> ), sulphur oxides, nitrogen oxides and formaldehyde.
<b>5.3 Special Protective Equipment and Precautions For Fire Fighters:</b>	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

<b>6.1 Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Determine whether to evacuate or isolate the area according to your local emergency plan. Use full protective equipment and clothing to minimise exposure. For further information, refer to section 8: Exposure Controls / Personal Protection.
<b>6.2 Environmental Precautions:</b>	Do not allow large quantities to enter drains or surface waters.
<b>6.3 Methods and Materials for Containment and Clean Up:</b>	Observe all personal protective equipment recommendations described in this SDS. Minor Spills: Collect up spill and place into a suitable labelled container. Major Spills: Contain spill.

# SAFETY DATA SHEETS

Shovel material into clean, dry, suitable labelled containers and close lids tightly. Dispose of materials or solid residues in accordance with current regulations. Refer to section 13: Disposal Considerations.

## 7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:** Use with adequate ventilation. Avoid eye contact and avoid prolonged contact with the skin. Avoid breathing dust/fume/vapours. Do not take internally. In case of inadequate ventilation wear respiratory protection. Exercise good industrial hygiene practice. Wash skin thoroughly after handling, especially before eating, drinking or smoking. For further information, refer to section 8: Exposure Controls / Personal Protection.
- 7.2 Conditions for Safe Storage, Including Any Incompatibilities:** Store in a cool, dry, well ventilated area, out of direct sunlight and away from sources of ignition. Store away from incompatible materials, such as oxidising agents. Refer to section 10: Stability and Reactivity.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:** No exposure standards assigned to this specific material by the Safe Work Australia Council (SWAC), or the New Zealand Department of Labour. However, exposure standards for components are stated below:-

### Ingredients

Naphtha, petroleum, hydrotreated heavy

### Exposure Limits

TWA 1200 mg/ m<sup>3</sup> (171 ppm)  
STEL: none specified

- 8.2 Biological Limit Values:** No biological limit allocated.
- 8.3 Engineering Controls:** Ensure sufficient ventilation to keep airborne concentrations below exposure limits and as low as practicable. Use with good general ventilation. If mists, vapours or dusts are produced local exhaust ventilation should be used. Extract at emission point.

- 8.4 Personal Protective Equipment:**
- Respiratory Protection**
- Domestic quantities require no special equipment with normal careful use in accordance with instructions for use. When handling bulk quantities. Avoid breathing dust/fume/vapours. Where ventilation is inadequate and dusts or vapours are generated, respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate respiratory protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Reference should be made to Australian/New Zealand Standards AS/NZS 1715 Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716 Respiratory Protective Devices.

### Eye Protection

Domestic quantities require no special equipment with normal careful use in accordance with instructions for use. When handling bulk quantities. Avoid eye contact. Safety glasses with side shields, or splash proof chemical goggles,

# SAFETY DATA SHEETS

and/or a full-face shield as appropriate. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337.1 Personal eye protection - Eye and face protectors for occupational applications.

## Skin Protection

Domestic quantities require no special equipment with normal careful use in accordance with instructions for use. Care should be taken with sensitive or damaged skin. When handling bulk quantities. Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

## Skin and Body Protection:

Choose body protection according to the amount and concentration of the hazardous chemical at the work place. Consideration must be given to both durability as well as permeation resistance. Launder contaminated clothing before reuse. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material. Reference should be made to AS/NZS 2919: Industrial Clothing.

## Selection Criteria:

Protective equipment must be chosen according to current AS/NZS standards and in cooperation with the supplier of protective equipment. Personal protective equipment must be defined after risk assessment for the workstation. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Physical Description / Properties

<b>Appearance:</b>	White to off-white, opaque solid.
<b>Odour:</b>	Characteristic paraffin odour.
<b>Odour threshold:</b>	No data available.
<b>pH:</b>	Not applicable.
<b>Melting point/freezing point:</b>	No data available.
<b>Initial boiling point and boiling range:</b>	187 – 216°C (Paraffin component)
<b>Flash Point:</b>	63°C (Paraffin component)
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower flammability:</b>	UEL: 9.0%vol LEL: 0.6%vol (Paraffin component)
<b>Vapour Pressure:</b>	No data available.
<b>Vapour density:</b>	No data available.
<b>Relative density:</b>	No data available.

# SAFETY DATA SHEETS

Little Lucifer Firelighters

Version: 4 Issued: 26<sup>th</sup> August 2017

Page 6 of 9

<b>Specific Gravity:</b>	No data available.
<b>Solubility in Water:</b>	Insoluble.
<b>Solubility in Organic Solvents:</b>	No data available.
<b>Partition coefficient: n-octanol/water:</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	Not applicable.
<b>Oxidizing Properties:</b>	No data available.

## 10. STABILITY AND REACTIVITY

<b>10.1 Chemical Stability:</b>	The product is stable under normal ambient conditions of temperature and pressure.
<b>10.2 Conditions To Avoid:</b>	Extremes of temperature and direct sunlight. Sparks, flames and other ignition sources.
<b>10.3 Incompatible Materials:</b>	Strong oxidising agents.
<b>10.4 Hazardous Decomposition Products:</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes, including oxides of carbon (CO + CO <sub>2</sub> ), sulphur oxides, nitrogen oxides and formaldehyde.
<b>10.5 Hazardous Reactions:</b>	Hazardous polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

**11.1 Likely Exposure Routes:**     Eye contact    Skin contact    Ingestion    Inhalation

**11.2 Health Effects From Likely Route of Exposure:**

### Acute Health Effects

<b>Ingestion:</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Eye:</b>	Causes serious eye irritation with effects including tearing, stinging, blurred vision, and redness.
<b>Skin:</b>	Causes mild skin irritation.
<b>Inhalation:</b>	Considered an unlikely route of entry in commercial/industrial environments. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Chronic Health Effects

<b>Skin:</b>	May cause an allergic skin reaction in susceptible individuals.
--------------	---

**11.3 Acute toxicity**

#### Acute oral toxicity:

Not classified as hazardous for acute oral toxicity according to GHS criteria. According to the data on the components. According to the classification criteria for mixtures.

#### Acute inhalation toxicity:

Not classified as hazardous for acute inhalation toxicity according to GHS criteria. According to the data on the components. According to the classification criteria for mixtures.

#### Acute dermal toxicity:

Not classified as hazardous for acute dermal toxicity according to GHS criteria.

# SAFETY DATA SHEETS

According to the data on the components. According to the classification criteria for mixtures.

### **Skin corrosion/irritation**

Causes mild skin irritation.

According to the data on the components. According to the classification criteria for mixtures.

### **Serious eye damage/irritation**

Classified as irritating to eyes.

According to the data on the components. According to the classification criteria for mixtures.

### **Respiratory or skin sensitization**

Classified as a respiratory sensitiser. Classified as a skin sensitiser.

According to the data on the components. According to the classification criteria for mixtures.

### **Mutagenicity**

**Genotoxicity in vitro:** The product is not considered to be genotoxic.

According to the data on the components. According to the classification criteria for mixtures.

**Genotoxicity in vivo:** Product is not considered to be genotoxic.

According to the data on the components. According to the classification criteria for mixtures.

### **Carcinogenicity**

The product is not considered to be carcinogenic.

According to the data on the components. According to the classification criteria for mixtures.

### **Toxicity for reproduction and development**

#### **Toxicity to reproduction/Fertility**

The product is not considered to affect fertility.

According to the data on the components. According to the classification criteria for mixtures.

#### **Developmental Toxicity/Teratogenicity**

The product is not considered to be toxic for development.

According to the data on the components. According to the classification criteria for mixtures.

The product is not considered to be teratogenic.

According to the data on the components. According to the classification criteria for mixtures.

### **STOT**

#### **STOT - single exposure**

The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria.

According to the data on the components. According to the classification criteria for mixtures.

#### **STOT - repeated exposure**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.

According to the data on the components. According to the classification criteria for mixtures.

### **Aspiration toxicity**

The substance or mixture is not classified for aspiration toxicity according to GHS criteria.

According to the data on the components. According to the classification criteria for mixtures.

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity:

Acute toxicity to fish: The product itself has not been tested.  
Acute toxicity to daphnia and other aquatic invertebrates: The product itself has not been tested.  
Toxicity to aquatic plants: The product itself has not been tested.

# SAFETY DATA SHEETS

Little Lucifer Firelighters

Version: 4 Issued: 26<sup>th</sup> August 2017

Page 8 of 9

- |      |                                       |  |
|------|---------------------------------------|--|
| 12.2 | <b>Persistence and Degradability:</b> | No data available.                                     |
| 12.3 | <b>Bioaccumulation Potential:</b>     | No data available.                                     |
| 12.4 | <b>Mobility in Soil:</b>              | No data available.                                     |
| 12.5 | <b>Other Adverse Effects:</b>         | Avoid contaminating soil, waterways, drains or sewers. |

## 13. DISPOSAL CONSIDERATIONS

- |      |  |   |
|------|--|---|
| 13.1 | <b>Disposal Method:</b>                    | Single unit: Incineration or dispose of in household waste.<br>Large amounts: Incineration at an authorised site.                     |
| 13.2 | <b>Disposal of Contaminated Packaging:</b> | Dispose of packaging in household waste.  |
| 13.3 | <b>Environmental Regulations:</b>          | Dispose of in accordance with relevant national and local regulations, EPA requirements and safety regulations at an authorised site. |

**NOTE:** The user's attention is drawn to the possible existence of local regulations regarding disposal.

## 14. TRANSPORTATION INFORMATION

- |      |  |                 |
|------|--|-----------------|
| 14.1 | <b>UN Number:</b>                            | Not applicable. |
| 14.2 | <b>UN Proper Shipping Name:</b>              | Not applicable. |
| 14.3 | <b>Dangerous Goods Class:</b>                | Not applicable. |
|      | <b>Subsidiary risk:</b>                      | Not applicable. |
|      | <b>Packing Group:</b>                        | Not applicable. |
| 14.4 | <b>Environmental Hazards:</b>                | Not applicable. |
| 14.5 | <b>Special Precautions During Transport:</b> | Not applicable. |
| 14.6 | <b>HAZCHEM Code:</b>                         | Not applicable. |
|      | <b>Additional Shipping Information:</b>      | Not applicable. |

### Road and Rail Transport: (Australia)

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) for transport by road and rail.

### Land Transport: (New Zealand)

Not classified as Dangerous Goods according to NZS 5433:2012 Transport of Dangerous Goods on Land.

### IMDG:

Not classified as Dangerous Goods according to the International Maritime Organization Rules (International Maritime Dangerous Goods Code - IMDG Code) for transport by sea.

### IATA:

Not classified as Dangerous Goods according to the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**NOTE:** The above regulatory prescriptions are those valid on the date of publication of this SDS. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.



# SAFETY DATA SHEETS

## 15. REGULATORY INFORMATION

- 15.1 Poison Schedule (Australia):** 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 *Australian Inventory of Chemical Substances (AICS)*.
- 15.4 Hazardous Substances and New Organisms Act 1996:** All ingredients are listed on or exempt from the *New Zealand Inventory of Chemicals (NZIoC)*.
- HSNO Group Standard: This substance falls under the HSNO N.O.S. (Subsidiary Hazard) Group Standard 2006.  
HSNO Approval Number: HSR002624.  
Approved handler requirements: Substances covered under this Group Standard will not require an approved handler.

### NOTE:

*The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.*

## 16. OTHER INFORMATION

- 16.1 Revision Date:** 30<sup>th</sup> August 2017
- 16.2 Reasons For Revision:**
- 1) Review against current SWA/GHS and NZ EPA/HSNO criteria and latest information from manufacturer/supplier.
  - 2) Changes and /or additional information made to all Sections.

The customer is advised to consult the product Technical Data Sheets for further information including advice on suitable equipment. SDSs are updated frequently. Please ensure that you have a current copy.

- 16.3 Principal References:**  
Information supplied by manufacturer, reference sources including the public domain.

## END OF SAFETY DATA SHEET

### 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 SDS in the context of how the user intends to handle and use the product.

This document is copyright. No part may be reproduced by any process without written permission from Pental Products Pty Ltd. ® indicates Registered Trademark.