



MATERIAL SAFETY DATA SHEETS

Sureguard Insurance For Your**Clothes Ministrip Moth & Silverfish
Repellent****Version: 1****Issued: 12th February 2009****Page 1 of 7**

CLASSIFICATION OF MATERIAL

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:** Sureguard Insurance For Your Clothes Ministrip Moth & Silverfish Repellent
- 1.2 **UN Proper Shipping Name:** Camphor
- 1.3 **Recommended Use:** Moth & Silverfish Repellent
- 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 Class 4.1.
- 2.2 **Risk Phrase(s):** R10 Flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
- 2.3 **Safety Phrases:** S2 Keep out of reach of children.
S13 Keep away from food, drink and animal feeding stuffs.
S20/21 When using, do not eat, drink or smoke.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S46 If swallowed seek medical advice immediately and show this container or label.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Camphor	76-22-2	100

MATERIAL SAFETY DATA SHEETS

Sureguard Insurance For Your
Clothes Ministrip Moth & Silverfish
Repellent

Version: 1

Issued: 12th February 2009

Page 2 of 7

4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

Ingestion:	Do not induce vomiting. Immediately remove product from the mouth and rinse mouth out with plenty of water. Avoid giving milk or oils. Obtain immediate medical attention.
Eye:	Immediately hold the eyes open and wash with fresh running water for 15 minutes. 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 persists or develops, obtain immediate medical attention.
Skin:	Wash skin thoroughly with water and non-abrasive soap. Remove contaminated clothing. Obtain medical attention if symptoms persist or develop.
Inhalation:	Remove from source of exposure. Ensure airways are clear and have a qualified person give oxygen through a facemask if breathing is difficult. Obtain immediate medical attention if symptoms persist or develop.

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:	Flammable. On large fires use carbon dioxide, dry chemical, or foam. On small fires use carbon dioxide (CO ₂), dry chemical or foam. Water spray can be used to cool fire exposed containers.
5.2 Hazards From Combustion Products:	Combustible substance. Remove all heat and ignition sources. May evolve explosive vapours when heated. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. This material will emit toxic fumes under fire conditions. On combustion may emit toxic fumes, carbon dioxide and carbon monoxide.
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:	1 [Z]

MATERIAL SAFETY DATA SHEETS

Sureguard Insurance For Your
Clothes Ministrip Moth & Silverfish
Repellent

Version: 1

Issued: 12th February 2009

Page 3 of 7

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Emergency Procedures:** Increase ventilation. Use full protective clothing and equipment to minimise exposure. Eliminate all sources of ignition. Avoid generating dust. Use non-sparking tools, sweep/vacuum up spill and place into a suitable labelled container. Transfer material to a suitable labelled container for recycling or disposal. Wash contaminated surfaces well with 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.
- 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: 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, 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 with adequate ventilation. Avoid eye contact. 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:** Store in a cool, dry, well ventilated area, out of direct sunlight. Keep well closed when not in use. 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 for Camphor 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 |
|------------------------------|---|
| Camphor
(CAS No. 76-22-2) | Time Weighted Average (TWA): 12.0 mg/m ³ and 2 ppm.
Short Term Exposure Limit (STEL): 19.0 mg/m ³ and 3 ppm. |
- 8.2 Biological Limit Values:** No biological limit allocated.
- 8.3 Engineering Controls:** Ensure adequate ventilation. Maintain air concentrations below exposure limits.

MATERIAL SAFETY DATA SHEETS

Sureguard Insurance For Your
Clothes Ministrip Moth & Silverfish
Repellent

Version: 1

Issued: 12th February 2009

Page 4 of 7

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 dust or vapours are generated, the use of a respirator with a filter complying with Australian standards AS/NZS 1715 and AS/NZS 1716 is recommended. Filter capacity and respirator type depend on exposure levels.

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.

Skin

Domestic quantities require no special equipment with normal careful use. Care should be taken with sensitive or damaged skin. For large quantities, wear nitrile, rubber or neoprene gloves, coveralls (plastic aprons may be required) and enclosed footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Description / Properties

Appearance:	White solid contained inside a plastic hanger
Odour:	Characteristic camphor odour.
pH:	Not applicable
Vapor Pressure:	4 mm/Hg
Vapor Density:	Not applicable
Boiling Point (°C):	204°C
Freezing Point (°C):	Not applicable
Melting Point (°C):	176°C
Solubility In Water:	Practically insoluble in water
Specific Gravity (@ 25°C):	Not applicable
Flash Point (°C):	Not available
Lower Explosive Limit (%):	Not determined
Upper Explosive Limit (%):	Not determined
Autoignition Temp (°C):	Not determined
Decomposition Temp (°C):	Not determined

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 Oxidisers, potassium permanganate and chromic anhydride.

MATERIAL SAFETY DATA SHEETS

Sureguard Insurance For Your

Clothes Ministrip Moth & Silverfish
Repellent

Version: 1

Issued: 12th February 2009

Page 5 of 7

- 10.4 **Hazardous Decomposition Products:** Toxic gases, carbon dioxide and carbon monoxide
- 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: Harmful if swallowed. Can kill if swallowed or sucked. May cause irritation of the gastrointestinal system. Symptoms may include; pain, nausea, vomiting and diarrhoea. Can cause central nervous system effects resulting in restlessness, excitement, delirium and seizures.

Eye: Irritating to eyes. Irritation will result in redness, swelling, lachrymation and stinging.

Skin: Harmful in contact with the skin. Camphor is rapidly and readily absorbed through the skin, with symptoms similar to inhalation and ingestion exposure. Will cause irritation in contact with the skin. Symptoms include; redness, itching and possibly dermatitis.

Inhalation: Harmful by inhalation. Can kill if inhaled. Will cause irritation of the mucous membranes and upper airways, especially if the material is heated or if mists are generated. Symptoms include; coughing, headache, dizziness, nausea, vomiting and loss of co-ordination.

Chronic

Ingestion: Harmful if swallowed. Can kill if swallowed or sucked

Skin: Prolonged or repeated contact with this material may result in skin irritation leading to dermatitis.

Inhalation: Repeated inhalation of high concentrations may lead to damage of the liver and kidneys.

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.

MATERIAL SAFETY DATA SHEETS

Sureguard Insurance For Your
Clothes Ministrip Moth & Silverfish
Repellent

Version: 1

Issued: 12th February 2009

Page 6 of 7

13. DISPOSAL CONSIDERATIONS

- 13.1 Disposal Method:** Single unit: Dispose of empty container by wrapping in paper, place in plastic bag and put in garbage.
Large quantities: Reclaim or dispose of in accordance with local, state and federal regulations.
- 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:** 2717
- 14.2 UN Proper Shipping Name:** Camphor, synthetic.
- 14.3 Dangerous Goods Class:** 4.1
Packing Group: III
- 14.4 Special Precautions for User:** Harmful, Flammable.
- 14.5 HAZCHEM Code:** 1 [Z]
Additional Shipping Information: Classified as a Class 4 Dangerous Good by the Australian Code for Transport of Dangerous Goods by Road or Rail. Dangerous Goods of Class 4.1 Flammable Solids are incompatible in a placard load with any of the following: Class 1, Class 2.1, Class 4.2, Class 5 and Class 7.

15. REGULATORY INFORMATION

- 15.1 SUSDP Poisons Schedule:** S6
- 15.2 Prohibition / Licensing Requirements:** AVPMA Approval Number 60574/24/1208
- 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:** 12th February 2009
- 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,

MATERIAL SAFETY DATA SHEETS

Sureguard Insurance For Your

**Clothes Ministrip Moth & Silverfish
Repellent**

Version: 1

Issued: 12th February 2009

Page 7 of 7

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.

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

DOCUMENT END