

156943 Part# 145

MOTH BALLS, CEDAR, 10-OZ. #145

1946000 WILLERT HOME PRODUCTS - 8

Buyer: Janice A. St. Cyr

Material Safety Data Sheet

| WHMIS (Pictograms) | WHMIS (Classification) | Protective Clothing |
|--------------------|--|---------------------|
| | CLASS B-4: Flammable solid. Class D-2B: Material causing other toxic effects (TOXIC). | |

Section 1. Product and Company Identification

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|---------------------------|---|--------------------------------|--|
| Product Name / Trade name | Naphthalene | Associated Product's Item Code | NAPHTHALENE |
| Synonym | Refined naphthalene | CAS # | 91-20-3 |
| Chemical Family | Aromatic hydrocarbon. | DSL | CEPA DSL: Naphthalene |
| Chemical Formula | C ₁₀ H ₈ | Validation Date | 5/18/2001. |
| Manufacturer | Recochem Inc. 850 Montee de Liesse Montreal, Quebec 514-341-3550 | Print Date | 5/18/2001. |
| Material Uses | Consumer products: Moth preventative. | In Case of Emergency | Recochem Inc. Communications and Regulatory Affairs Department (905) 791-1788 |

Section 2. Hazardous Ingredients

| Name | CAS # | % by Weight | Exposure Limits | |
|----------------|---------|-------------|--|---|
| | | | Canadian Values (ACGIH) | U.S. Values (OSHA) |
| 1) Naphthalene | 91-20-3 | 100 | TWA: 10 ppm from ACGIH (Canada, 1999). Period: 8 hour(s). TWA: 52 mg/m ³ from ACGIH (Canada, 1999). Period: 8 hour(s). STEL: 15 ppm from ACGIH (Canada, 1999). Period: 15 minute(s). STEL: 79 mg/m ³ from ACGIH (Canada, 1999). Period: 15 minute(s). | 1) Naphthalene TWA: 10 ppm from OSHA (United States, 1999). Period: 8 hour(s). TWA: 50 mg/m ³ from OSHA (United States, 1999). Period: 8 hour(s). |

Section 3. Emergency Overview

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| Hazard Overview | WARNING! FLAMMABLE SOLID, skin sensitizer. Harmful if swallowed. Keep out of reach of children. Keep in a cool, well-ventilated place. Avoid contact with eyes, skin and clothing. DO NOT ingest. Avoid breathing dust. Wash thoroughly after handling. |
| Potential Acute Health Effects | Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. May cause skin sensitization. |
| Note to Physician | Not available. |

Section 4. First Aid Measures

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| Eye Contact | IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, seek medical attention. |
| Skin Contact | After contact with skin, wash immediately with plenty of water. If irritation persists, seek medical attention. |
| Inhalation | Allow the victim to rest in a well ventilated area. Seek medical attention. |
| Ingestion | DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. SEEK IMMEDIATE MEDICAL ATTENTION. |

Section 5. Fire Fighting Measures

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| Products of Combustion | These products are carbon oxides (CO, CO ₂). |
| Fire Fighting Media and Instructions | Flammable solid. SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. |
| Fire Hazards | Yields flammable vapors on heating above melting point. |
| Explosion Hazards | Vapour forms explosive mixture with air. Material in powder form, capable of creating a dust explosion. |

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Section 6. Accidental Release Measures

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| Small Spill and Leak | Use appropriate tools to put the spilled material in a convenient waste disposal container. |
| Large Spill and Leak | Flammable product. Use water spray curtain to divert vapor drift. Eliminate all sources of ignition. Use appropriate equipment to put the spilled material in a waste disposal. Dispose of in accordance with regional regulations. |

Section 7. Handling and Storage

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| Handling | Keep away from heat, sparks and flame. To avoid fire, minimize ignition sources. DO NOT ingest. Avoid breathing dust. After handling, always wash hands thoroughly with soap and water. |
| Storage | Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above 38°C (100.4°F). |

Section 8. Exposure Controls, Personal Protection

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| Engineering Controls | Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. |
| Personal Protection | |
| <i>Eyes</i> | Safety glasses. |
| <i>Body</i> | No special protective clothing is required. |
| <i>Respiratory</i> | Wear appropriate respirator when ventilation is inadequate. |
| <i>Hands</i> | Gloves (impervious). |

Section 9. Physical and Chemical Properties

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| Physical State and Appearance | Crystalline solid. (Flakes, chips and balls.) | Odor | Characteristic. |
| Molecular Weight | 128.19 g/mole | Taste | Not available. |
| pH (1% Soln/Water) | Not applicable. | Color | White. |
| Boiling/Condensation Point | 218°C (424.4°F) | Volatility | Not available. |
| Melting/Freezing Point | 80.2°C (176.4°F) | Evaporation Rate | <1 compared to Butyl acetate. |
| Specific Gravity | 1.162 (Water = 1) | Odor Threshold | >0.3 ppm |
| Vapor Pressure | Not applicable. | Viscosity | Not available. |
| Vapor Density | 4.42 (Air = 1) | Solubility | Insoluble in water. |
| VOC Content | Not available. | Other Properties | Not available. |
| The Product Is: | Combustible. | | |
| Autoignition Temperature | 526°C (978.8°F) | | |
| Flash Points | CLOSED CUP: 78°C (174.2°F). | | |
| Flammable Limits | LOWER: 0.9% UPPER: 5.9% | | |
| Fire Hazards in Presence of Various Substances | Combustible in presence of open flames and sparks. Material in powder form, capable of creating a dust explosion. | | |

Section 10. Stability and Reactivity

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| Stability | The product is stable. |
| Conditions of Instability | No additional remark. |
| Incompatibility with Various Substances | Reactive with oxidizing agents, acids. |

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**Section 11. Toxicological Information**

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| Routes of Entry | Inhalation, Ingestion. |
| Toxicity to Animals | Acute oral toxicity (LD50): >533 mg/kg [Mouse]. |
| Acute Effects on Humans | <p>Eyes Contact may cause eye irritation.</p> <p>Skin Prolonged contact can cause skin irritation.</p> <p>Inhalation Inhalation is minimal since vapours are unlikely due to physical properties. Practically non-toxic by inhalation. Inhalation may cause irritation to nose and throat.</p> <p>Ingestion Hazardous in case of ingestion.</p> |
| Chronic Effects on Humans | <p>Slightly hazardous in case of skin contact (Irritant), of eye contact (Irritant).</p> <p>CARCINOGENIC EFFECTS: Classified None by NIOSH. A4 (Not classifiable for human or animal.) by ACGIH. NTP has classified Naphthalene as a carcinogen to rats.</p> <p>MUTAGENIC EFFECTS: Non-mutagenic for bacteria and/or yeast.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>The substance may be toxic to blood, kidneys, liver, eyes, hemolytic anemia, skin irritation. Repeated or prolonged exposure to the substance can produce target organs damage.</p> |






Section 12. Ecological Information

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| Ecotoxicity | Not available. |
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Section 13. Disposal Considerations

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| Waste Information | Waste must be disposed of in accordance with federal, state and local environmental control regulations. |
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Section 14. Transport Information

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| TDG Classification (Canada) | CLASS 4.1: Flammable solid. Class 9.2: Environmentally hazardous material. |   |
| PIN (Canada) | Shipping name: Naphthalene, crude or Naphthalene, refined UNNA: UN 1334 PG: III | |
| Special Provisions for Transport (Canada) | In inner packages of 500 g capacity or less this product is classified as a "Consumer Commodity" under TDG regulations. | |
| IMDG Classification | 4.1 |   |
| PIN | Shipping name: Naphthalene, refined UNNA: UN 1334 PG: III | |
| Marine Pollutant | IMDG Class: Marine Pollutant. (Pollutant.) | |
| DOT Classification (U.S.A) | CLASS 4.1: Flammable solid. |  |
| PIN | Naphthalene, crude or Naphthalene, refined, 4.1, UN 1334, III, Pollutant., RQ (Naphthalene) | |
| Special Provisions for Transport (U.S.) | In inner containers of 100 lbs (45.36 kg) capacity or less this product is exempt from DOT regulations (non regulated). | |

Section 15. Other Regulatory Information and Pictograms

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| WHMIS Classification (Canada) | CLASS B-4: Flammable solid. Class D-2B: Material causing other toxic effects (TOXIC). |   |
| HCS Classification (U.S.A.) | CLASS: Flammable solid. Class: Target organ effects. | |
| USA Regulatory Lists | TSCA inventory: Naphthalene | |

Validated on 5/18/2001.

Naphthalene



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Hazardous Material
Information System
(U.S.A.)

| | |
|---------------------|---|
| Flammability | 2 |
| Reactivity | 0 |
| Personal Protection | E |

National Fire
Protection
Association (U.S.A.)



Section 16. Other Information

Validated and verified by Product Development and Technical Coordinator on 5/18/2001.

Printed 5/18/2001.

Notice to Reader

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