

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material Name:** Canada Balsam.  
**Catalogue Number:** IA158.  
**Other Names:** Balsam fir Canada; Flammable liquid, n.o.s. (Canada Balsam); Balsam Canada.  
**Recommended Use:** Used as a mounting medium.

**Supplier Name:** ProSciTech  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)  
**Emergency Contact:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

### SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria for Classifying Hazardous Substances [NOHSC:1008].  
**Hazardous and/or Dangerous Nature:** NON-HAZARDOUS SUBSTANCE. DANGEROUS GOODS.  
**Risk Phrases:** Not available.  
**Safety Phrases:** Not available.

*Refer to Section 15 for Poisons Schedule.*

### SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

**Pure Substance (Proportion 100%):**

**Chemical Identity:** Canada Balsam.  
**Common Name(s):** Balsam fir Canada; Flammable liquid, n.o.s. (Canada Balsam); Balsam Canada.  
**CAS Number):** 8007-47-4

**Mixture Substance:**

Ingredients	Cas Number(s)	Proportion (%)
Canada Balsam	8007-47-4	100

### SECTION 4 - FIRST AID MEASURES

**Ingestion:** If conscious, wash out mouth with water. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.  
**Inhalation:** Remove patient to fresh air. Administer approved oxygen supply if breathing is difficult. Administer artificial respiration or CPR if breathing has ceased. Seek immediate medical attention.  
**Eye Contact:** Immediately flush eyes with copious quantities of water for at least 20 minutes holding lids apart to ensure flushing of the entire surface. Seek immediate medical attention.  
**Skin Contact:** Immediately flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reusing.  
**First Aid Facilities:** Eyebath/eyewash.  
**Medical Attention & Special Treatment:** Treat symptomatically & supportively.  
**Additional Information:** No further information available.

### SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Use carbon dioxide.

**Hazards from Combustion Products:**

Combustible liquid. Contact with oxidizers may cause fire and/or explosion. The sensitivity to static discharge is not available. The sensitivity to impact is not available. Emits toxic fumes under fire conditions.

**Precautions for Fire Fighters:**

Wear adequate personal protection to prevent contact with material or its combustion products. Self contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

**Hazchem Code:** 3WE

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Emergency Procedures:

Evacuate the area. Eliminate all sources of ignition.

### Containment & Clean up:

Absorb on sand or vermiculite and place in a closed container for disposal. Use non-sparking tools. Ventilate area and wash spill site after material pick up is complete. DO NOT empty into drains. DO NOT touch spilled material. Runoff to sewer may create fire or explosion hazard.

## SECTION 7 - HANDLING & STORAGE

### Precautions for Safe Handling:

Manipulate in a well ventilated area or under an adequate fume hood. Handle and open container with care. Take off immediately all contaminated clothing. This product must be manipulated by qualified personnel. Do not get in eyes, on skin, or on clothing. Wash well after use. In accordance with good storage and handling practices. Do not allow smoking and food consumption while handling. Avoid contact with a combustible material (wood, paper, oil, clothing...).

### Precautions for Safe Storage:

Store in a cool place away from heated areas, sparks, and flame. Store in a well ventilated area. Store away from incompatible materials. Do not add any other material to the container. Do not wash down the drain. Do not breathe gas/fumes/vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from direct sunlight or strong incandescent light. Keep container tightly closed and dry. Manipulate in a well ventilated area or under an adequate fume hood. Take precautionary measures against electrostatic discharges. Ground the container while dispensing. Ground all equipment containing material. Use only explosion proof equipment. Use non-sparking tools. Watch for accumulation in low confined areas. Empty containers may contain a hazardous residue.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards:** No exposure standard allocated.

**Biological Limit Values:** No biological limit allocated.

### Engineering Controls:

Local mechanical exhaust ventilation capable of minimizing emissions at the point of use. Use explosion-proof ventilation equipment. Do not use in unventilated spaces.

### Personal Protective Equipment:

Splash goggles. Impervious gloves, apron, coveralls, and/or other resistant protective clothing. Sufficient to protect skin. If use conditions generate vapors or mists, wear a NIOSH-approved respirator appropriate for those emission levels. Appropriate respirators may be a full face piece or a half mask air-purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator. Do not wear contact lenses. Make eye bath and emergency shower available. Ensure that eyewash station and safety shower is proximal to the work-station location.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Light yellow to greenish-yellow viscous liquid.
<b>Odour:</b>	Sweet balsamic and rather pleasant turpentine-like odour.
<b>pH:</b>	Not available.
<b>Vapour pressure (mm of Hg at °C):</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Boiling point/range (°C):</b>	Not available.
<b>Freezing/melting point (°C):</b>	Not available.
<b>Solubility:</b>	Insoluble in cold water.
<b>Specific gravity or density:</b>	Gravity: 0.980-0.993 g/ml at 25°C (Water = 1).
<b>Flash Point:</b>	Closed cup: 50°C.
<b>Flammable (explosive) limits:</b>	Not available.
<b>Ignition temperature:</b>	Not available.
<b>Additional Information:</b>	Not available.

## SECTION 10 - STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Unstable under normal conditions of use.
<b>Conditions to avoid:</b>	AIR SENSITIVE. Avoid high temperatures, sparks, open flames and all other sources of ignition, and contamination by incompatible materials.
<b>Incompatible Materials:</b>	Oxidizing agents, acids, bases.

**Hazardous Decomposition Products:**

May solidify on prolonged exposure to air. Oil-soaked rags or paper are subject to spontaneous combustion.

**Hazardous Reactions:** Hazardous polymerization will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION****Exposure and Health Effects:**

Harmful by ingestion, inhalation or skin absorption.

**Ingestion:**

Harmful if swallowed. May cause vomiting, abdominal pain, and unconsciousness.

**Inhalation:**

May cause respiratory tract irritation. Exposure can cause headache.

**Eye Contact:**

Causes irritation with redness and stinging. Lachrymator.

**Skin Contact:**

May cause irritation.

**Human/Animal data:** ORAL (LD50): Acute: >5000 mg/kg (Rat).

DERMAL (LD50): Acute: >5000 mg/kg (Rabbit).

**Carcinogenic Category:** No data available to classify Carcinogenic Category.

**Other Carcinogenic Information:** To the best of our knowledge, the chemical, physical, and toxicity of this substance

has not been fully investigated.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available.

**Persistence and degradability:** Not available.

**Mobility:** Not available.

**Additional Information:** Not available.

**SECTION 13 - DISPOSAL CONSIDERATIONS****Disposal Methods:**

According to all applicable regulations. Waste material should be stored in closed containers to prevent spontaneous

combustion. Dispose of in accordance with local, state and federal laws.

**Special Precautions/Additional Informational:**

Material is air sensitive and can combust if not in a sealed container.

**SECTION 14 - TRANSPORT INFORMATION**

**UN Number:** UN1993

**UN Proper Shipping Name:** Flammable liquid, n.o.s. (Canada Balsam).

**Class and Subsidiary risk:** 3

**Packing Group:** III

**Special Precautions for User:** Combustible liquid! Harmful liquid! Irritant! Do not breathe vapor.

**Hazchem Code:** 3WE

**SECTION 15 - REGULATORY INFORMATION**

**Poison Schedule Number:** None Allocated.

**SECTION 16 - OTHER INFORMATION**

**Date of preparation of MSDS:** September 10

**Comments:**

Combustible liquid! Harmful liquid! Irritant! Do not breathe vapor. Avoid all contact with the product. Avoid prolonged or repeated exposure. Manipulate in a well ventilated area or under an adequate fume hood. Keep away from heat, sparks and flame. To avoid spontaneous fire, store wiping rags and similar materials in metal cans with tight fitting lids. To the best of our knowledge, the chemical, physical and toxicity of this substance has not been fully investigated. Handle and open container with care. Container should be opened only by a technically qualified person.

List of Publications referenced when creating this MSDS;

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.

- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd

Edition: National Occupational Health and Safety Commission.

- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997)

- IATA Dangerous Goods Regulations

- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].

*This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.*

*... End of MSDS ...*