

2/17/2025: File reviewed, more current MSDS/SDS not available. CAS

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Balsam Canada

Signal Word  
**WARNING**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-9451

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 3). Flammable liquid and vapor (H226). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).



Hazard class: Acute toxicity, dermal and inhalation (Category 4). Harmful in contact with skin or if inhaled (H312+H332). Avoid breathing vapors (P261).

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2B). Causes skin and eye irritation (H315+H320).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Canada balsam (from Abies balsamea)	None established 1330-20-7	Unspecified C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub>	Unspecified 106.17	50 - 70%
Xylenes				30 - 50%
Synonyms: Canada balsam mounting medium				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313).

**If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Class II combustible liquid.

Flash point: 48 °C (OC)

NFPA Code

None established

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher (P370+P378).

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## **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

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## **SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, oils, esters and aldehydes.

Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor™ can.

Keep container tightly closed (P233). Keep cool (P235). Use explosion-proof electrical and ventilating equipment (P241).

Use only in a hood or well-ventilated area (P271).

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## **SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

Exposure guidelines: (as xylenes) PEL/TLV 100 ppm (OSHA, ACGIH), STEL 150 ppm (ACGIH)

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## **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Yellow liquid. Cedar-like odor.

Melting point: 93-98 °C

A saturated solution containing a resinous mixture of oleoresins, terpenes, and usually cinnamic and benzoic acid in xylene.

Specific gravity: 0.95

Used to prepare permanent mount microscope preparations.

Soluble: Insoluble in water.

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## **SECTION 10 — STABILITY AND REACTIVITY**

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Material is combustible/flammable. Avoid contact with heat, open flame, or any sources of ignition. Sensitive to moisture and evaporation of xylene. Avoid contact with oxidizing agents.

Shelf life: Good, if kept tightly closed.

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## **SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritant, lung irritation, chest pain and edema which may be fatal, GI disturbances

ORL-RAT LD<sub>50</sub>: 4300 mg/kg (as xylenes)

IHL-RAT LC<sub>50</sub>: 5000 ppm/4H (as xylenes)

Chronic effects: CNS depression, dermatitis, reproductive hazard

SKN-RBT LD<sub>50</sub>: N.A.

Target organs: CNS, eyes, GI tract, blood, liver, kidneys, skin

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## **SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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## **SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #18b is one option.

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## **SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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## **SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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## **SECTION 16 — OTHER INFORMATION**

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

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