

SAFETY DATA SHEET



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BALSAM

SDS No. M0035

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Balsam

Synonyms: Canada Balsam, Balsam of Fir Canada

Recommended Use: This product is recommended for laboratory and manufacturing use only. It is not recommended for drug, food or household use.

2. HAZARDS IDENTIFICATION



Label Elements:

Signal Word: WARNING!

Hazard Statements:

H303 – May be harmful if swallowed.

H316 – Causes mild skin irritation.

H320 – Causes eye irritation.

H333 – May be harmful if inhaled.

Precautionary Statements:

P281 – Use personal protective equipment as required.

P335 – Brush off loose particles from skin.

Hazard Overview.

May cause irritation to eyes skin and respiratory tract. The toxicological properties of this product have not been fully tested.

HMIS Rating:

Health – 1 Flammability – 1 Physical Hazard – 0 PPE – User supplied

NOTE: HMIS ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. These ratings are based on the inherent properties of this chemical under expected conditions of normal use and are not intended to be used in emergency situations. PPE is determined by the user based on their needs and conditions.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

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<u>Ingredient</u>	<u>CAS No</u>	<u>Percent</u>	<u>Hazardous</u>
Balsam	8007-47-4	>99%	Yes

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. Get medical aid if coughing or irritation develops.

Ingestion: If conscious and alert, give 2-3 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Skin Contact: Rinse skin with water for at least 15 minutes. Get medical attention if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.

Notes to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flammability: Low fire hazard

Auto-ignition Temperature: Not Applicable

Flash Point: Not Applicable

Flammable Limits: Not Applicable

Products of Combustion: May decompose into irritating and highly toxic gases under fire conditions (carbon monoxide, carbon dioxide).

Specific Fire Hazards: As in any fire, always wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear. Use water spray to keep fire exposed containers cool. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Vapors are heavier than air and can spread along the ground and collect in low or confined areas.

Specific Explosion Hazards: No information available.

Fire Fighting Media: Use water spray to cool fire exposed containers. Use agent most appropriate for extinguishing fire. Use dry chemical, carbon dioxide, water spray, or appropriate foam.

National Fire Protective Association: Health - 1, Flammability - 1, Reactivity - 0

NOTE: NFPA ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. They are for use by emergency personnel to address the hazards that are presented by short term, acute exposure to this product under fire, spill, or similar emergencies. Ratings involve data and interpretations that may vary from company to company.

6. ACCIDENTAL RELEASE MEASURES

Absorb spilled liquid with sorbent pads, socks, or other inert material such as vermiculite, sand, or earth. Use spark-proof tools. Provide ventilation to the affected area and remove all ignition sources. Approach the spill from upwind and pick up absorbed material and place it in a suitable container. Always use proper personal protective equipment as described in section 8.

7. HANDLING AND STORAGE

Precautions: Always use proper personal protective equipment as described in section 8. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Empty containers contain product residue (liquid and vapor) and can be dangerous. Use with adequate ventilation. Avoid breathing vapor or mist.

Storage: Keep in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. No special precautions indicated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or using the material should be equipped with eyewash station and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protection: Wear chemical protective goggles or other appropriate eye wear. Use chemical protective gloves and protective clothing to prevent skin exposure. A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever possible. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Exposure Limits: None established

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance: Yellow to green colored solid.

Odor: Fresh green odor

Auto-ignition Temperature: Not Applicable

Flash Point: Not Applicable

Flammable Limits: Not Applicable

pH: Not available

Boiling Point: Not available

Freezing/Melting Point: Not available

Decomposition Temperature: Not available

Specific Gravity: 0.98 g/cm³ liquid form

Vapor Density (Water=1): Not available

Vapor Pressure: Not available

Evaporation Rate (Butyl acetate = 1): >1.

Viscosity: Not available.

Solubility: Insoluble

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Excess heat.

Incompatibility With Various Substances: Strong oxidizing agents.

Hazardous Decomposition Products: Irritating and toxic fumes and gases, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, skin absorption, skin contact

Acute Exposure Hazards:

INHALATION HAZARD: May cause respiratory tract irritation.

INGESTION HAZARD: May cause gastrointestinal irritation.

SKIN CONTACT HAZARD: May cause skin irritation.

EYE CONTACT HAZARD: May cause eye irritation.

Chronic Exposure Hazards: No information found.

Animal Toxicity:

Oral, rat: LD50 = >5 g/kg;

Skin, rabbit: LD50 = >5 g/kg;

Carcinogenicity: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65

Epidemiology: No information available.

Reproductive Effects: No information available.

Mutagenicity: No information available.

Neurotoxicity: No information available.

Other Studies: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Environmental Fate: No information available.

Physical: No information available.

13. DISPOSAL CONSIDERATIONS

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of this product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions found in 40 CFR 261.3. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

Not regulated for transportation.

15. REGULATORY INFORMATION

US Federal Regulations:

TSCA: CAS# 8007-47-4 is listed on the TSCA Inventory.

Health and Safety Reporting List: Not listed.

Chemical Test Rules: Not listed.

Section 12b: Not listed.

TSCA Significant New Use Rule: Does not have an SNUR under TSCA.

CERCLA Hazardous Substances: CAS# 8007-47-4 does not have an RQ

SARA Section 302: Does not have a TPQ

SARA Codes: CAS# 8007-47-4 – immediate

Section 313: Balsam (CAS# 8007-47-4) is not subject to SARA Title III requirements.

Clean Air Act: CAS# 8007-47-4 is not listed as a hazardous air pollutant (HAP). It is not a Class 1 Ozone Depleter. It is not a Class 2 Ozone Depleter.

Clean Water Act: CAS# 8007-47-4 is not listed as a Hazardous Substance. It is not a Priority Pollutant. It is not a Toxic Pollutant.

OSHA: Not considered highly hazardous by OSHA.

US State Regulations:

CAS# 8007-47-4 is on the following state right-to-know lists: Pennsylvania, Minnesota, and Massachusetts

California Prop 65: California No Significant Risk Level: Not listed

Canada:

DSL/NDSL: CAS# 8007-47-4 is listed on Canada's DSL list.

WHMIS: This product has a WHMIS classification of Not Controlled. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and this MSDS contains all the information required by those regulations.

DSCL (EEC):

Hazard Symbols: Not available

Risk Phrases: R36/38 – Irritating to skin and eyes.

Safety Phrases: S24/25 – Avoid contact with skin and eyes.

WGK (Water Danger/protection): CAS# 8007-47-4: Not Available

16. OTHER INFORMATION

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