Material Safety Data Sheet

Balsam Canada Neutral Xylene

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Carolina Biological Supply Company
2700 York Rd | Burlington, NC 27215 • to order: 800.334.5551 • for support: 800.227.1150

CAROLINA
www.carolina.com

Section 1 - Product Description

Product Name: Balsam Canada Neutral Xylene
Product Code(s): 84-6558, 84-6560, 84-6578, 84-6580
Size: 30 mL, 100 mL
Chemical Name: N/A
CAS Number: See Section 3
Formula: See Section 3
Synonyms: Balsam of Fir, Natural in Xylene
Distributor: Carolina Biological Supply Company, 2700 York Road, Burlington, NC 27215
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F) **Chemtrec** 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard Identification

Emergency Overview: Flammable. Harmful by inhalation. Do not breathe gas/fumes/vapour/spray.
Potential Health Effects:
Eyes: May cause irritation.
Skin: May cause irritation to skin.
Ingestion: May cause gastrointestinal discomfort.
Inhalation: May cause irritation to respiratory tract.

Section 3 - Composition / Information on Ingredients

Principal Hazardous Components: Balsam Canada (CAS# 8007-47-4) 60%; Xylene (CAS# 1330-20-7) 40%
TLV units: ACGIH-TLV (Xylene) 100 ppm (TWA); 150 (STEL)
PEL units: OSHA-PEL (Xylene) 100 ppm (TWA)

Section 4 - First Aid Measures

Emergency and First Aid Procedures:
Eyes - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin - After contact with skin, wash immediately with plenty of water.
Ingestion - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Inhalation - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Section 5 - Firefighting Procedures

Flash Point (Method Used): (Xylene) 27-32 °C (TCC)
NFPA Rating:

Health: 2
Fire: 3
Reactivity: 0
Extinguisher Media: Use dry chemical, CO2 or appropriate foam.
Flammable Limits in Air % by Volume: (Xylene) LEL 1% UEL 7%
Autoignition Temperature: (Xylene) 464-528 °C
Special Firefighting Procedures: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Vapours may travel back to ignition source. Closed Containers exposed to heat may explode.
Explosive when mixed with oxidising substances.

Section 6 - Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

Section 7 - Special Precautions

Precautions to Take in Handling or Storing: Bond and ground containers when transferring liquid.
Wear suitable protective clothing. Keep container tightly closed in a cool, well-ventilated place.

Section 8 - Protection Information

Respiratory Protection (Specify Type): None needed under normal conditions of use with adequate ventilation. A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.
Ventilation:
Local Exhaust: Yes
Mechanical(General): Yes
Special: No
Other: No
Protective Gloves: Natural rubber, Neoprene, PVC or equivalent.
Eye Protection: Splash proof chemical safety goggles should be worn.
Other Protective Clothing or Equipment: Lab coat, apron, eye wash, safety shower.

Section 9 - Physical Data

Molecular Weight: N/A
Boiling Point: (Xylene) 138-144 °C
Vapor Density(Air=1): (Xylene) 3.7
Percent Volatile by Volume: 40%
Solubility in Water: Practically Insoluble
Melting Point: N/A
Vapor Pressure: 19-24 mmHg at 20 °C
Specific Gravity (H2O=1): 0.9
Evaporation Rate (BuAc=1): (Xylene) 1.7
Appearance and Odor: Clear, Yellow-Green fluorescent liquid with piney odor.

Section 10 - Reactivity Data

Stability: Stable
Conditions to Avoid: Heat and sources of ignition.
Incompatibility (Materials to Avoid): Oxidizers,
Hazardous Decomposition Products: COx,
Hazardous Polymerization: Will not occur

Section 11 - Toxicity Data

Toxicity Data: (Xylene) orl-rat LD50 4300 mg/kg
(Xylene) ihl-rat LC50 5000 ppm/4H

Effects of Overexposure:

Acute: See Section 2

Chronic: Mutation data cited. Reproductive data cited. Prolonged Exposure may lead to cobalt sensitization. Symptoms include formation of goiter, reduced thyroid activity, and other chonic effects. Not listed as a carcinogen by IARC, NTP or OSHA.

Conditions Aggravated by Overexposure: Skin disorders, Eye disorders, Respiratory disorders, Liver disorders, Impaired Kidney Function,

Target Organs: N/A

Primary Route(s) of Entry: Inhaltion and skin contact.

Section 12 - Ecological Data

EPA Waste Numbers: U239 (Xylene), D001 (Ignitable waste)

Section 13 - Disposal Information

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Section 14 - Transport Information

DOT Proper Shipping Name: UN1993, Flammable liquid, n.o.s. (Xylene), 3, III; ***30mL bottle is a small quantity exception.***

Section 15 - Regulatory Information

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

Name List:
(Canada Balsam) No
(Xylene) Yes

Chemical Category:
(Canada Balsam) No
(Xylene) No

CERCLA Section 103 RQ(lb.): (Canada Balsam) No
(Xylene) 100

RCRA Section 261.33: (Canada Balsam) No
(Xylene) Yes

Section 16 - Additional Information

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists
CAS Number	Chemical Services Abstract Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DOT	U.S. Department of Transportation
IARC	International Agency of Research on Cancer
N/A	Not Available
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
ppm	Parts per million

RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act