





1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier:		
Substance name:	Canadian Balsam	
Biological Definition		
INCI Name	ABIES BALSAMEA NEEDLE OIL	
Synonyms & Trade Names		
EC NO: 285-364-0	CAS NO: 8021-28-1	EINECS CAS Number: 85085-34-3
Index No:	Reach Registration No:	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: Industrial, only for professional use.		
Uses advised against:		
1.3 Details of the supplier of the safety data sheet		
Company	Penny Price Aromatherapy Ltd	
	Unit D3 Radius Court	
	Maple Drive	
	Hinckley	
	Leicestershire LE10 3BE	
Email	info@penny-price.com	
1.4 Emergency Telephone Number	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. <u>Or call NHS 111 or NHS 999</u>	

2. Hazards Identification				
2.1 Classification of the substance or mixture				
Classified according to Regulation (EC) 1272/2008 (CLP) as amended	Physical and Chemical Hazards	Flam. Liq. 3 – H226		
	Human Health	Skin Irrit. 2 – H315	Eye Irrit. 2 – H319	
		Skin Sens. 1 – H317	Asp.Tox. 1 – H304	
	Environment	Aquatic Acute. 1 – H400	Aquatic Chronic. 1 – H410	
		Human Health	May be fatal if swallowed and enters airways. The liquid is irritating to eyes and skin.	
	Environment	The product contains a substance which is toxic to aquatic organisms, and which may cause long-term adverse effects in the aquatic environment.		
	Physiochemical	Flammable liquid and vapour.		
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:				
   				
Signal Word. DANGER				
Contains:	Beta Pinene			

		Alpha Pinene Delta-3-Carene (R)-p-mentha-1, 8-diene	
Hazard statements.			
H226	Flammable liquid and vapour.	H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation.	H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.	H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.		
Precautionary statements.			
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking		
P273	Avoid release to the environment.		
P280	Wear protective gloves/protective clothing/eye protection/face protection.		
P301+P310	IF SWALLOWED: Immediately call a Poison Centre or Doctor.		
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P331	Do NOT induce vomiting.		
P262	Do not get in eyes, on skin, or on clothing.		
Supplementary Precautionary Statements:			
P233	Keep container tightly closed.		
P240	Ground/bond container and receiving equipment.		
P241	Use explosion-proof electrical/ventilating/lighting equipment.		
P242	Use only non-sparking tools.		
P243	Take precautionary measures against static discharge.		
P261	Avoid breathing vapour/spray.		
P264	Wash contaminated skin thoroughly after handling.		
P272	Contaminated work clothing should not be allowed out of the workplace.		
P302+P352	IF ON SKIN: Wash with plenty of soap and water.		
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.		
P321	Specific treatment (see label).		
P332+P313	If skin irritation or rash occurs: Get medical advice/attention.		
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.		
P337+P313	If eye irritation persists: Get medical advice/attention.		
P362+P364	Take off contaminated clothing and wash it before reuse.		
P370+P378	In case of fire: Use foam, Carbon dioxide, dry powder or water fog to extinguish.		
P391	Collect spillage.		
P403+P235	Store in a well-ventilated place. Keep cool.		
P405	Store locked up.		
P501	Dispose of contents/container to local/regional/national/international regulations.		
2.3 Other hazards – Results of PBT and vPvB			

According to Annex XIII	
Adverse Physio-chemical Properties	
Adverse Effects on Human Health	

3. 1 Composition / information on ingredients:			
Substances		Molecular weight	
Mixtures:			
Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Beta Pinene	CAS No: 127-91-3 EC No: 204-872-5	30-50%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox 1 – H304
Delta-3-Carene	CAS No: 13466-78-9 EC No: 236-719-3	15-20%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox 1 – H304
Alpha Pinene	CAS No: 80-56-8 EC No: 201-291-9	15-20%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox 1 – H304
(R)-p-mentha-1, 8-diene	CAS No: 5989-27-5 EC No: 227-813-5	5-10%	M Factor (Acute) = 1 M Factor (Chronic) = 1 Flam Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410
Camphene	CAS No: 79-92-5 EC No: 201-234-8	5-10%	M Factor (Acute) = 1 M Factor (Chronic) = 1 Flam Liq. 3 – H226 Eye Irrit. 2 – H319 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H
The full text of all Hazard Statements is display in Section 16			

4. First Aid Measures	
4.1 General	Immediately remove any clothing soiled by the product.

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if required.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists seek medical advice / attention.
Skin contact	IF ON SKIN: Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention.
Ingestion	IF SWALLOWED: Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP. Do not give milk or fatty oils.

4.2 Most important symptoms and effects, both acute and delayed:

	No further relevant information available.
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4.3 Indication of any immediate medical attention and special treatment need

	No further relevant information available.
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5. Firefighting Measures

5.1 Extinguishing Media:

Suitable extinguishing media:	Water spray, dry powder, or Carbon dioxide (CO ₂).
Unsuitable extinguishing media:	For safety reasons, do not use full water jet.

5.2 Special hazards arising from the substances or mixture:

Hazardous combustion products:	In case of fire, toxic fumes like Carbon monoxide and Carbon dioxide may be liberated. Burning produces heavy smoke.
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5.3 Advice for firefighters

	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus.
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Special Protective Equipment for Firefighters.

	Wear full protective clothing.
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6 Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures: Avoid inhalation of vapours and contact with skin and eyes.

6.1.1 For non-emergency personnel

Protective equipment:	
Emergency procedures:	

6.1.2 For Emergency responders

6.2 Environmental precautions	The product contains a substance which is very toxic to aquatic organisms, and which may cause long-term adverse effects in the aquatic environment. Avoid discharge into drains or watercourses or onto the ground.
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6.3 Methods for cleaning up – 6.3.1 For containment:

	Absorb with liquid binding material (e.g., sand, diatomaceous earth, acid, or universal binding agents). Collect in closed and suitable containers for disposal.
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6.3.2 For cleaning up:

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6.3.3. Other information:	
6.4 Reference to other sections	For personal protection, see Section 8.

7. Handling and storage	
7.1 Precautions for safe handling	
<p>Protective measures: Prevent formation of aerosols. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. If ventilation is inadequate, suitable respiratory protection must be worn. Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink, or smoke whilst handling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this Safety Data Sheet.</p>	
Measures to prevent fire:	
Measures to prevent aerosol and dust generation:	
Measures to protect the environment:	
Advice on general occupational hygiene:	
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	
Packaging Materials:	
Requirements for storage and vessels:	Store in tightly closed, original container in a dry, cool, and well-ventilated place. Keep away from heat, sparks, and open flame.
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	No further relevant information available.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:

8.1 Control parameters

Alpha Pinene (CAS: 80-56-8)	DNEL	Workers – Inhalation; Long-term systematic effects: 5.98 mg/m ³ General population – Oral; Long-term systematic effects: 0.31 mg/kg General population – Inhalation; Long-term systematic effects: 1.06 mg/m ³
	PNEC	STP; 3.26 mg/l Soil; 0.539 mg/kg Fresh water; 0.004 mg/l Marine water; 0.0004 mg/l Sediment (Fresh water); 1.033 mg/kg Sediment (Marine water); 0.103 mg/kg
(R)-p-mentha-1, 8-diene (CAS: 5989-27-5)	DNEL	Workers – Inhalation; Long-term systematic effects: 33.3 mg/m ³ General population – Oral; Long-term systematic effects: 4.76 mg/kg
	PNEC	STP; 1.8 mg/l Soil; 0.262 mg/kg Fresh water; 0.0054 mg/l Marine water; 0.00054 mg/l Sediment (Fresh water); 1.32 mg/kg Sediment (Marine water); 0.13 mg/kg
Camphene (CAS: 79-92-5)	DNEL	Workers – Dermal; Short-term systematic effects: 1.25 mg/kg Workers – Inhalation; Short-term systematic effects: 110.19 mg/m ³ Workers – Dermal; Long-term systematic effects: 0.21 mg/kg Workers – Inhalation; Long-term systematic effects: 110.19 mg/m ³ General population – Oral; Short-term systematic effects: 0.625 mg/kg General population – Dermal; Short-term systematic effects: 0.625 mg/kg General population – Inhalation; Short-term systematic effects: 54.3 mg/m ³ General population – Oral; Long-term systematic effects: 0.1 mg/kg General population – Dermal; Long-term systematic effects: 0.1 mg/kg General population – Inhalation; Long-term systematic effects: 54.3 mg/m ³
	PNEC	STP; 10 mg/l Soil; 0.0211 mg/kg Intermittent release: 0.00072 mg/l Fresh water; 0.00072 mg/l Marine water; 0.000072 mg/l

		Sediment (Fresh water); 0.0262 mg/kg Sediment (Marine water); 0.00262 mg/kg
8.2 Exposure controls		
Engineering Measures		Ensure good ventilation of working area. Provide eyewash station.
8.2.2 Personal Protection equipment		
8.2.2.1 Eye / face protection	Use personal protection according to Directive 89/686/EEC Approved safety goggles.	
8.2.2.2 Skin Protection		
Hand protection	Chemical resistant gloves (PVC)	
Other skin protection	Wear apron or protective clothing in case of contact.	
Hygiene Measures	Good personal hygiene procedures should be implemented.	
8.2.2.3 Respiratory protection	Generally unnecessary in a well-ventilated area. If ventilation is insufficient, respiratory protection must be worn.	
Ventilation		
8.2.2.4 Thermal hazards		
8.2.3 Environmental exposure controls		Avoid discharging into drains.
9. Physical and chemical properties- C of A		
9.1 Information on basic physical and chemical properties		
Colour	Colourless to pale yellow	
Appearance	Liquid	
Odour	Characteristic	
Melting Point / freezing point		
Boiling point /Initial boiling point & boiling range		
Flammability		
Lower and upper explosion limit		
Flash point °C	43°C	
Auto- ignition temperature		
Decomposition temperature		
pH		
Kinematic Viscosity		
Solubility in Water		
Solubility in other Solvents		
Partition coefficient n-octanol/ water (log value)		
Vapour Pressure		
Relative density @ 20°C	0.860 to 0.878	
Relative vapour density		
Particle characteristics		
Explosive Properties		
Oxidising Properties		

9.2 Other information	
Specific gravity d_{20}^{20}	
Optical rotation	-15.0 to 40.0
Refractive index @ 20 ⁰ C	1.470 to 1.476
Typical analysis of major components	


10. Stability and reactivity	
10.1 Reactivity	None known
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	No Information available.
10.4 Conditions to avoid:	Keep away from heat, sparks, and open flame.
10.5 Incompatible Materials:	None known.
10.6 Hazardous Decomposition Products	None known.

11. Toxicological information	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008	
Information on Toxicological Effects : No Information available.	
Acute toxicity:	
Skin corrosion /irritation:	
Seriously eye damage/irritation:	
Respiratory or skin sensitisation:	
Germ cell mutagenicity:	
Carcinogenicity:	
Reproductive toxicity:	
Summary of evaluation of the CMR properties:	
STOT- single exposure,	
STOT-repeated exposure:	
Aspiration hazard:	

12. Ecological information	
12.1 Toxicity / Ecotoxicity	The product contains a substance which is very toxic to aquatic organisms, and which may cause long-term adverse effects in the aquatic environment.
12.2 Persistency & degradability	
12.3 Bio accumulative potential	

12.4 Mobility in soil	
12.5 Results of PBT and vPvB Assessment	
12.6 Endocrine disrupting properties	
12.7 Other adverse effects	

13. Disposal considerations	
13.1 Waste treatment methods	Dispose of waste product or used containers in accordance with local regulations.
13.1.1. Product /Packaging disposal:	
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	Dispose of contents / container in accordance with local / regional / national / international regulations.

14. Transport information		
14.1 UN Number or ID number ADR / RID, IMDG, ICAO, ADN	1272	
14.2 UN proper Shipping name ADR / RID, IMDG, ICAO, ADN	Pine Oil	
14.3 Transport hazard class(es) ADR / RID, IMDG, ICAO, ADN	Class	2
	ADR / RID Classification Code	F1
	ADR / RID Label	3
	Transport Lables	
14.4 Packing group ADR / RID, IMDG, ICAO, ADN	III	
14.5 Environmental hazards	Environmentally Hazardous Substance/Marine Pollutant	No
14.6 Special precautions for user	EmS	F-E, S-E
	ADR Transport Category	3
	Emergency Action Code	3Y
	Hazard Identification Number (ADR/RID)	30
	Tunnel Restriction Code	D/E
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code		

15 Regulatory information	
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture	

EU Legislation	Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Guidance	CHIP for everyone HSG228
15.2 Chemical Safety Assessment	

16. Other information

(i) **Indication of Changes: Revised Safety Data Sheet Format:** From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021'.

(ii) **Abbreviations and acronyms:**

DNEL: Derived No-Effect Level.

PNEC: Predicted No- Effect Concentration.

ADR: European agreement concerning the international carriage of dangerous goods by road.

RID: Regulations concerning the International carriage of Dangerous goods by rail.

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the 'International Civil Aviation Organisation" (ICAO)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Maritime Dangerous Goods.

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

WGK: Water Hazard Class.

LC50: Lethal concentration, 50 percent

LD50: Lethal Dose, 50 percent

PBT: Persistent, Bio accumulative and Toxic

vPvB: Very Persistent and very Bio accumulative

Flam. Liq: Flammable Liquid

AT: Acute Toxicity – O = Oral / D = Dermal / I = Inhalation

Asp: Aspiration Hazard

Skin Corr/ Irrit: Skin Corrosion / Irritation

Skin Sens: Skin Sensation

Eye Dam/ Irrit: Eye damage / Irritation

Muta: Mutagenic

Carc: Carcinogenic

Resp: Respiration Sensitive

Repro: Reproductive Sensitive

EH A: Environmental Hazard Aquatic Acute

EH C: Environmental Hazard Aquatic Chronic

(iii) **Key Literature references and sources of date.**

(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):	
Classification according to Regulation (EC) 1272/2008(CLP)	Classification procedure
(v) Relevant H-statements (number and full text):	
(vi) Training advice:	
(vii) Further information:	
Shelf life	Minimum 12 months when stored in the advised conditions.
QC requirements	
In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.	
Disclaimer:	
The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is date supplied without warranty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.	