Penny Price Aromatherapy/ Aroma Formulations
SAFETY DATA SHEET
According to Regulation (EC) No.1272/2008

1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier: Black Spruce Oil Canada		
Substance name: Picea Mariana Leaf Oil		
EC NO: 294-420-3	**CAS NO: 8008-80-8**	**EINECS CAS Number: 91722-19-9**
Index No:	**Reach Registration No:**	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: No additional data available.		
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. Or call NHS 111 or NHS 999	

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	Asp. Tox.1 – H304	Eye Irrit. 2 – H319
		Skin Sens. 1 – H317	
	Environment	Aquatic Chronic 1 – H410	

2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:

Signal Word. DANGER

Hazard statements.

H226	Flammable liquid and vapour	H228	Flammable Solid.
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.

H410	Very toxic to aquatic life with long lasting effects.	H411	Toxic to aquatic life with long lasting effects.
Precautionary Statements:			
P210	Keep away from heat /sparks /open flames / hot surfaces. No smoking	P305+P351	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280	Wear protective gloves/ protective clothing /eye protection / face protection.	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310	Immediately call a POISON CENTRE or doctor.	P273	Avoid release to the environment.
P501	Dispose of contents / containers in accordance with local / regional / national / international regulations.		
2.3 Other hazards – Results of PBT and vPvB			
PBT or vPvB According to Annex XIII	No additional data available.		
Adverse Physio-chemical Properties	No additional data available.		
Adverse Effects on Human Health	No additional data available.		

3. 1 Composition / information on ingredients:

Substance name	**Index number under CLP Annex VI**	**Weight % content (or range)**	**CL, M-Factor, ATE**
Limonene	CAS: 5989-27-5 EC: 227-813-5	20 - 30%	Flam. Liq. 3 – H226, Skin Irrit. 2 -H315, Asp. Tox. 1 -H304, Skin Sens. 1 -H317 Aquatic Acute. 1 – H400, Aquatic Chronic. 1 – H410
Camphene	CAS: 79-92-5 EC: 202-234-8	20 – 25%	Flam. Sol. 1 -H228, Eye Irrit.2 -H319, Aquatic Acute. 1 H400
Alpha-Pinene	CAS: 80-56-8 EC: 204-872-5	10 -25%	Flam. Liq. 3 – H226, Skin Irrit. 2 – H315, Skin Sens. 1 – H317, Asp.Tox.1 – H304
Beta-Pinene	CAS: 127-91-3 EC: 204–872-5	2 – 4%	Danger, Flam. Liq. 3 -H226, Skin Sens. 1 – H317, Asp. Tox. 1 – H304, Aquatic Chronic. 1 – H410
Delta-3-Carene	CAS: 13466-78-9 EC: 236-719-3	1 – 4%	Danger, Flam. Liq. 3 – H226, Asp. Tox. 1 – H304, Aquatic Chronic. 2 -H411, Skin Sens. 1 – H317

4. First Aid Measures

4.1 General	
Inhalation	Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
Skin contact	Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention
Ingestion	Rinse mouth out with water. Do NOT induce vomiting. Call POISON CENTER or GP if you feel unwell.
4.2 Most important symptoms and effects, both acute and delayed:	
	Observe risk of aspiration if vomiting occurs.
4.3 Indication of any immediate medical attention and special treatment need	
	Treat symptomatically.
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Foam, extinguishing powder, Carbon dioxide (CO2). Avoid full water jet.
Unsuitable extinguishing media:	
5.2 Special hazards arising from the substances or mixture	
Hazardous combustion products:	B (Fires of liquids or liquid turning substances). In case of fire toxic fumes like Carbon monoxide and Carbon dioxide may be liberated. Burning produces heavy smoke.
5.3 Advice for firefighters	Move undamaged containers from immediate hazard area if it can be done safely. Use suitable breathing apparatus. Regard to self-protection.

6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	Wear personal protection equipment. Avoid contact with skin, eye, and clothing. Remove all sources of ignition. Provide adequate ventilation. Give a warning to persons in the hazard area.
Emergency procedures:	
6.1.2 For Emergency responders	
6.2 Environmental precautions	Do not allow to enter into surface water or drains. Cover drains. Prevent spread over a wide area (e.g., by containment or oil barriers).
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).
6.3.2 For cleaning up:	

6.3.3. Other information:	
6.4 Reference to other sections	See protective measures under point 7 and 8.

7. Handling and storage	
7.1 Precautions for safe handling	
Protective measures: Provide earthing of containers, equipment, pumps, and ventilation facilities. Take precautionary measures against static discharges. Wear personal protective clothing (see chapter 8). Do not breathe gas /fume /vapour / spray. Use only in well-ventilated areas. When using do not eat, drink, smoke, sniff.	
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:	Keep container tightly closed.
Packaging Materials:	
Requirements for storage and vessels:	
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	No additional data available.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection	
8.1 Control parameters	No additional data available.
8.2 Exposure controls	
Process Conditions	Technical measures and the application of suitable work processes have priority over personal protection equipment.
Engineering Measures	No additional data available.

8.2.2 Personal Protection equipment; Googles and gloves. Use personal protection according to Directive 89/686/ EEC.	
8.2.2.1 Eye / face protection	Use protection goggles according to EN 166.
8.2.2.2 Skin Protection	Protective
Hand protection	Use solvent and acid resistant protection gloves according to EN 374. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Take recovery periods for skin regeneration.
Other skin protection	Wear appropriate clothing to prevent any possibility of skin contact. Good personal hygiene practices are always advisable, especially when working with chemical/oils.
8.2.2.3 Respiratory protection	If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Ventilation	
8.2.2.4 Thermal hazards	
8.2.3 Environmental exposure controls	Avoid discharging into drainage water. Only remove via authorised companies.
9. Physical and chemical properties- C of A	
9.1 Information on basic physical and chemical properties	
Colour	Colourless to slightly yellow.
Appearance	Liquid
Odour	Characteristic
Melting Point / freezing point	No additional data available
Boiling point /Initial boiling point & boiling range	No additional data available
Flammability	
Lower and upper explosion limit	
Flash point ^{0}C	42°C
Auto- ignition temperature	No additional data available
Decomposition	
pH	
Kinematic Viscosity	
Solubility in water @ 20°C	Insoluble in water.
Partition coefficient n-octanol/ water (log value)	
Vapour Pressure	No additional data available
Density and /or relative density	0.875 -0.898 @20°C
Relative vapour density	
Particle characteristics	
9.2 Other information	No additional data available.
Specific gravity d_{20}^{20}	
Optical rotation @ 20^{0}C	

Refractive index @ 20^0 C	1.460 -1.480
Typical analysis of major components	

10. Stability and reactivity	
10.1 Reactivity	No dangerous reactions known
10.2 Chemical Stability	Product is stable at room temperature.
10.3 Possibility of hazardous reactions:	No dangerous reactions expected if used according to specifications.
10.4 Conditions to avoid:	Temperatures more than room temperature will benefit the transfer from liquid to vapour phase and formation of explosive atmospheres. Storing the product in open containers will benefits the formation of peroxides and derogate the quality.
10.5 Incompatible Materials:	No additional data available.
10.6 Hazardous Decomposition Products	No dangerous decomposition products known.

11. Toxicological information	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008	
Acute toxicity:	LD50 Oral > 5000mg/kg LD50 Dermal > 5000mg/kg
Skin corrosion /irritation:	No additional data available.
Seriously eye damage/irritation:	No additional data available.
Respiratory or skin sensitisation:	No additional data available.
Germ cell mutagenicity:	No additional data available.
Carcinogenicity:	No additional data available.
Reproductive toxicity:	No additional data available.
Summary of evaluation of the CMR properties:	No additional data available.
STOT- single exposure,	No additional data available.
STOT-repeated exposure:	No additional data available.
Aspiration hazard:	No additional data available.

12. Ecological information	
12.1 Toxicity	No additional data available.
12.2 Persistency degradability	No additional data available.
12.3 Bio accumulative potential	No additional data available.
12.4 Mobility in soil	No additional data available.
12.5 Results of PBT and vPvB Assessment	No additional data available.

12.6 Endocrine disrupting properties	
12.7 Other adverse effects	No additional data available.

13. Disposal considerations	
13.1 Waste treatment methods	Dispose of contents / containers in accordance with local, regional, national, international 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:	

14. Transport information	
14.1 UN Number or ID number ADR, RID, AND, IMDG, ICAO	1272
14.2 UN proper Shipping name ADR, RID, AND, IMDG, ICAO	PINE OIL
14.3 Transport hazard class(es) EAC HIN	 3Y 30
14.4 Packing group ADR, RID, AND, IMDG, ICAO	III
14.5 Environmental hazards	
14.6 Special precautions for user	See Section 6 to 8
14.7 Maritime transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Packed and transferred according to transport regulations.

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

Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No 716).
Guidance Notes	Workplace Exposure Limits EH40, CHIP for everyone HSG (108).
EU Legislation	Regulation (EC) No. 1907 /2006 of the European Parliament and of the Council of 18th December 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/105/EC and 2000/21/EC, including amendments.
15.2 Chemical Safety Assessment	No additional information available.

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:

RID: Reglement international concernant le transport des marschandisers dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Good by Rail).
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (LATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the 'International Civil Aviation Organisation" (ICAO)
ADR: Accord eurpeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal Dose, 50 percent
PBT: Persistent, Bio accumulative and Toxic
vPvB: Very Persistent and very Bio accumulative

(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.