

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Spruce Essential Oil - Black
Botanical name	:	Picea mariana
INCI name	:	Picea Mariana Leaf Oil
CAS #	:	8008-80-8/91722-19-9
Country of Origin	:	Canada
EINECS #	:	294-420-3
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable Liquid - Category 3.

Aspiration Hazard - category 1.

Aspiration Hazard - Category 2

Skin Corrosion/Irritation - Category 2.

Skin Corrosion/Irritation - Category 3

Skin Sensitization - Category 1.

Serious eye damage/eye irritation - Category 2A.

Serious eye damage/eye irritation - Category 2B

Hazardous to the aquatic environment, acute hazard - Category 1.

Hazardous to the aquatic environment, long-term hazard - Category 1.

GHS Label elements, including precautionary statements



Signal: Danger

Hazard statement(s)

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H305	May be harmful if swallowed and enters airways
H315	Causes skin irritation
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long-lasting effects

Precautionary statement(s)

P210	Keep away from heat /sparks/open flames - no smoking.
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 dust/fumes/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P321	Specific treatment (see section 4 on this label).
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use appropriate fire extinguishers to extinguish.
P391	Collect spillage.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
bornyl acetate	76-49-3	-	18 - 24%
camphene	79-92-5	-	13 - 23 %
alpha-pinene	80-56-8, 2437-95-8	-	18 - 24 %
limonene	7705-14-8	-	3 - 5 %

4. FIRST AID MEASURES

Eye contact

Remove contact lenses if applicable. Flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation or tissue damage occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Rinse mouth with water. Do not induce vomiting. Seek immediate medical advice.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide, foam, dry powder or special liquid extinguisher.

Unsuitable extinguishing media

Direct water jet.

Special hazards arising from the substance or its combustible products

Closed containers may build up pressure at elevated temperatures. If possible use water spray or fog to cool the exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Not for ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Transparent, colorless to greenish yellow liquid.
Odor	:	Sweet fir needle odor.
Initial b.p and boiling range	:	86 °C
Flash point	:	48°C
Evaporation rate	:	Less than 1 (Ether = 1)
Relative density	:	0.90 - 0.92
Solubility (ies)	:	Insoluble in water.
Refractive index	:	1.470 - 1.500

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Conditions to avoid

Excessive heat, open flames or other sources of ignition.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Smoke may be acrid and fumes irritating.
Burning generates Carbon Oxides and smoke.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity

None of the components of this material are listed as a carcinogen.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Skin contact

May cause skin irritation.
Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

May be irritating to eyes.
Possible irritation should be prevented by wearing safety glasses.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Generally biodegradable.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number

1272

UN proper shipping name

Pine oil

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

1272

Proper shipping name

Pine oil

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

1272

Proper shipping name

Pine oil

Class

3

Packaging group

III

IMO-IMDG code

1272

IMDG-Marine pollution

Yes.

IATA Shipping Description (Air)

1272

Proper shipping name

Pine oil

Class

15. REGULATORY INFORMATION

California Proposition 65

- This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

GHS Hazard Statements

See Section 2.

GHS Precautionary Statements

See Section 2.

16. OTHER INFORMATION

Revision date : April 22,2022

Disclaimer & Caution

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