

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	Pepper Black Organic Essential Oil
Botanical name	:	Piper nigrum
INCI name	:	Piper Nigrum Seed Oil
Country of Origin	:	Sri Lanka
EINECS #	:	284-524-7
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

Skin Corrosion/Irritation Category - 2

Skin Sensitization - Category 1

Hazardous to the aquatic environment, long-term hazard - Category 2

**GHS Label elements, including precautionary statements**

Signal: Danger

**Hazard statement(s)**

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.
H411	Toxic to aquatic life with long-lasting effects.

**Precautionary statement(s)**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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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.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P312	Call a POISON CENTER/ doctor/if you feel unwell.
P321	Specific treatment (see section 4 on this label).
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash 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 extinguisher 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
α-Pinene	-	-	8 - 20 %
beta-Pinene	-	-	10 - 15 %
Sabinene	-	-	5 - 15 %
alpha-Phellandrene	-	-	1.0 - 10 %
Limonene	-	-	10 - 20 %
beta-Caryophyllene	-	-	10 - 25 %

### 4. FIRST AID MEASURES

#### Eye contact

Contact with eyes can produce burning sensation. Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

#### Skin contact

Skin contact can produce irritation or itching of the skin. Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

## **Inhalation**

Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of overexposure are dizziness and nausea.

## **Ingestion**

Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never give anything by mouth if victim is unconscious, is rapidly-losing or convulsing.

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## **5. FIRE FIGHTING MEASURES**

### **Suitable extinguishing media**

Foam. Dry Powder. Carbon dioxide.

### **Unsuitable extinguishing media**

Water spray, water jet.

### **Special protective equipment and precautions for fire-fighters**

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

### **Special hazards arising from the substance or its combustible products**

Hazardous decomposition products may be formed at extreme heat or if burned.

### **Resulting gases**

Carbon oxides.

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## **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.

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## **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.

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## **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

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Appearance	:	Colorless to very pale bluish green liquid.
Odor	:	Characteristic black pepper odor.
Flash point	:	50 °C
Relative density	:	0.8600 to 0.970 @ 30 °C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.4740 to 1.4900 @ 27 °C
Optical rotation	:	-15° to -4° @ 25 °C

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard.

### Chemical stability

Chemically stable.

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### Conditions to avoid

Avoid sparks, flame and other heat sources.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

Carbon monoxide, unidentified organic compounds may be formed during combustion.

## 11. TOXICOLOGICAL INFORMATION

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### Carcinogenicity

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

### Chronic toxicity

May cause allergic reactions on skin.

### Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

### Skin contact

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

### Eye contact

Possible irritation should be prevented by wearing safety glasses.

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

Avoid any pollution of ground, surface or underground water.

### Persistence and degradability

Not available.

### Bio - accumulative potential

Not available.

**Mobility in soil**

Not available.

**Other adverse effects**

Not available.

**13. DISPOSAL CONSIDERATION**

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

**14. TRANSPORT INFORMATION**

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**UN Number**

1993

**UN proper shipping name**

Flammable liquid, n.o.s. (Pepper nigrum Oil)

**Transport hazard class**

3

**Packing group**

III

**US DOT Shipping Description (Land)**

1993

**Proper shipping name**

Flammable liquid, n.o.s. (Pepper nigrum Oil)

**Class**

3

**Packaging group**

III

**IMO-IMDG Shipping Description (Sea)**

1993

**Proper shipping name**

Flammable liquid, n.o.s. (Pepper nigrum Oil)

**Class**

3

**Packaging group**

III

**IATA Shipping Description (Air)**

1993

**Proper shipping name**

Flammable liquid, n.o.s. (Pepper nigrum Oil)

**Class**

3

**Packaging group**

III

**15. REGULATORY INFORMATION**

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## **GHS Hazard Statements**

Please refer to section 2.

## **GHS Precautionary Statements**

Please refer to section 2.

## **16. OTHER INFORMATION**

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### **Disclaimer & Caution**

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