

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Angelica Root Essential Oil (China) Steam Distilled
Botanical name	:	Radix angelicae sinensis
Synonyms	:	Dong Quai, Female Ginseng
FEMA	:	2088
CAS #	:	92456-66-1
Country of Origin	:	China
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

### WHMIS Classification

B3	Combustible Liquid	-
D2A	Very Toxic Material	Respiratory sensitiser

### GHS Classification

Flammable liquids (Category 3)

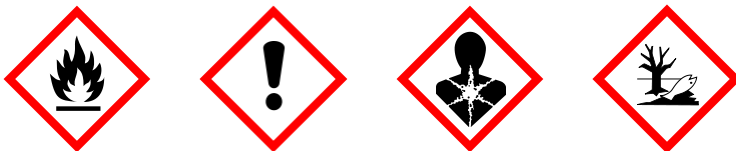
Skin irritation (Category 3)

Respiratory sensitisation (Category 1)

Aspiration hazard (Category 1)

Acute aquatic toxicity (Category 2)

### GHS Label elements, including precautionary statements



Signal: Warning

### 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.
H410	Very toxic to aquatic life with long lasting effects.

### 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Angelica Root Oil	8015-64-3	-	less than 100%
Ligustilide:	-	-	45%

### 4. FIRST AID MEASURES

#### Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation 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

Seek medical attention or contact local poison control center.

### 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.

### 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

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

---

### Exposure controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use mechanical exhaust or laboratory fumehood to avoid exposure.

### Eyes

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dan

### Respiratory

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Ingestion

Not for ingestion.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

Appearance	:	A light brownish viscous liquid with medium consistency.
Odor	:	peppery, herbal, earthy and woody.
Flash point	:	45 °C
Relative density	:	0.853 g/cm <sup>3</sup> at 25 °C (77 °F)
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.4983

## 10. STABILITY AND REACTIVITY

---

### Chemical stability

Chemically stable.

### Conditions to avoid

Avoid sparks, flame and other heat sources.

### Incompatible materials

Strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

---

### Acute toxicity

Not available.

### Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as

probable, possible or confirmed human carcinogen by IARC or ACGIH.

### **Reproductive toxicity**

No adverse effects on reproduction are known.

### **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.

### **Ingestion**

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

### **Repeated exposure**

Repeated or prolonged contact may cause redness, irritation and scaling of skin (Dermatitis).

## **12. ECOLOGICAL INFORMATION**

---

### **Ecotoxicity**

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

### **Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## **13. DISPOSAL CONSIDERATION**

---

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

## **14. TRANSPORT INFORMATION**

---

### **UN Number**

1993

### **UN proper shipping name**

Flammable liquid, n.o.s. (Angelica root oil)

### **Transport hazard class**

3

### **Packing group**

III

### **US DOT Shipping Description (Land)**

1993

### **Proper shipping name**

Flammable liquid, n.o.s. (Angelica root oil)

### **Class**

3

### **Packaging group**

III

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

1993

**Proper shipping name**

Flammable liquid, n.o.s. (Angelica root oil)

**Class**

3

**Packaging group**

III

**IATA Shipping Description (Air)**

1993

**Proper shipping name**

Flammable liquid, n.o.s. (Angelica root oil)

**Class**

3

**Packaging group**

III

**15. REGULATORY INFORMATION**

---

**WHMIS Classification**

B3 - Combustible Liquid, D2A - Respiratory sensitiser

**HMIS (USA)**

Health Hazard, Fire Hazard, Reactivity.

**SARA 302**

None.

**SARA 313**

None.

**California Proposition 65**

This product does not contain chemical listed per the Safe Drinking Water and Enforcement Act of 1986.

**16. OTHER INFORMATION**

---

Revision date : July 22, 2016

**Disclaimer & Caution**

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that Jurisdiction is limited to the province of Ontario.

