



MATERIAL SAFETY DATA SHEET

1. Product Identification:

Product Name:	Parsley Seed oil
Botanical Name:	<i>Petroselinum crispum</i>
Synonyms:	<i>Apium crispum, Apium petroselinum, Carum petroselinum, Petroselinum hortense, Petroselinum sativum, Petroselinum vulgare</i>
INCI Name:	Petroselinum crispum (parsley) seed oil
CAS #:	8000-68-8
Country of Origin:	Egypt

2. Classification:

Chemical Identification: Oils, parsley

UN No. 1169: Liquid aromatic extract.

Packaging Group: III Class: 3

24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

3. Hazardous Ingredients Information:

Apiol is toxic.

4. Physical & Chemical Properties:

Appearance:	Yellow to light brown liquid.
Odor:	Characteristic harsh odor.
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Specific Gravity:	0.920 – 0.930 @ 20°C
Optical Rotation:	+1.0 – +9.0 @ 20°C
Refractive Index:	1.485 – 1.490 @ 20°C
Apiol:	30 – 50 %
Myristicin:	9 – 30 %
Extraction Method:	Steam distillation of the flowers.
Contents:	Apiole, pinene, myristicin, limonene, elemicin, sedanolide, myrcene, phellandrene, cymene, sabinene, allyl tetramethoxybenzene
Flash Point:	44 °C

5. Fire/Explosion Hazard:

Flash Point: 44 °C

Flammable liquid. Will ignite if moderately heated.

6. Reactivity/Stability Data:

Reactivity: Stable.

Decomposition: When heated to decomposition produces toxic fumes/carbon monoxide smoke.

7. Toxicological Properties/Information:

It is an irritant and in high doses it is toxic and can cause liver and kidney damage.

Parsley seed oil is an abortifacient – should be avoided during pregnancy.

Use diluted.

8. Preventive Data:

Spillage: Absorb spills, cover with an inert, non-combustible, inorganic absorbent material, and remove to an approved disposal container.

Fire: Recommended extinguishing media – CO₂, foam and dry chemicals. DO NOT use direct water jet on burning material.

Environment: Keep away from drains, surface and ground water.

Storage: Store in cool, dry and well ventilated area protected in tightly closed container away from sources of ignition, heat and sunlight. Keep air contact to minimum.

9. First Aid Measures:

Eye contact: Flush with water for at least 15 minutes. Call physician if irritation persists.

Inhalation: Remove to fresh air. Avoid casual breathing.

Ingestion: Rinse mouth and consult a physician immediately. Never-give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing.

Skin contact: Remove contaminated clothing. Wash with soap and plenty of water.

11. Individual Protection:

Use safety glasses.

Avoid breathing in product by ensuring good ventilation when handling.

Avoid skin contact by using chemical resistant gloves.

12. Preparation Information:

Quality Assurance

New Directions Aromatics Inc.

Brampton ON

L7A 1C5

Revision Date: 8th May 2006

Disclaimer

The information contained in this Certificate of Analysis and Material Safety Data Sheet are obtained from current and reliable sources. 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.

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CERTIFICATE OF ANALYSIS**PRODUCT: PARSLEY SEED ESSENTIAL OIL****PRODUCT NO: 11108****LOT NO: 11108-02**

	Specifications:	Results:
Appearance:	Yellow to light brown liquid.	Complies
Odor:	Characteristic harsh odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.920 – 0.930 @ 20°C	Complies
Optical Rotation:	+1.0 – +9.0 @ 20°C	Complies
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