



MATERIAL SAFETY DATA SHEET

1. Product Identification:

Product Name:	Dill Seed Oil
Botanical Name:	<i>Anethum graveolens L.</i>
Synonyms:	<i>Peucedanum graveolens, Anethum sowa, Frutus Anethi</i>
INCI Name:	Anethum graveolen (dill) oil
CAS #:	8016-06-06
Country of Origin:	India

2. Classification:

Chemical Identification: Oil, dill seed
 UN No. 1169: Liquid aromatic extract.
 Packaging Group: III
 Class: 3

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

3. Hazardous Ingredients Information:

N/A

4. Physical & Chemical Properties:

Appearance:	Colorless to pale yellow clear liquid that darkens over time.
Odor:	Characteristic sweet spicy odor reminiscent if caraway.
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Specific Gravity:	0.915 – 0.975 @ 20°C
Optical Rotation:	+40 – +58 @ 20°C
Refractive Index:	1.486 – 1.495 @ 20°C
Carvone Content:	40 - 60 %
Limonene Content:	40 %
Extraction Method:	Steam distillation of crushed seeds.
Contents:	Carvone, limonene, phenylpropanoid dill apiole, traces of phelandrene, terpinene, dihydrocarvone.
Flash Point:	64 °C

5. Fire/Explosion Hazard:

Flash Point: 64 °C
 Flammable liquid. Will ignite if moderately heated.

6. Reactivity/Stability Data:

Reactivity: Stable.

Decomposition: When heated to decomposition produces acrid fumes and carbon monoxide smoke.

7. Toxicological Properties/Information:

Non-toxic, non-irritant and non-sensitizer. Nevertheless, it should be avoided during pregnancy.

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

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CERTIFICATE OF ANALYSIS

PRODUCT: DILL WEED ESSENTIAL OIL

PRODUCT NO: 11050

LOT NO: 11050-01

	Specifications:	Results:
Appearance:	Colorless to pale yellow clear liquid that darkens over time.	Complies
Odor:	Characteristic sweet licori�e-like odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.915 – 0.975 @ 20�C	Complies
Optical Rotation:	+40 – +58 @ 20�C	Complies
Refractive Index:	1.486 – 1.495 @ 20�C	Complies