

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Tea Tree Essential Oil (China)
Botanical name	:	Melaleuca alternifolia
FEMA	:	3902
CAS #	:	68647-73-4
Country of Origin	:	China
EINECS #	:	285-377-1
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
D2B	Toxic Material Causing Other Toxic Effects.
.	Moderate skin irritant
.	Moderate eye irritant

GHS Classification

Flammable liquid - Category 4.

Acute Toxicity, oral - Category 4

Skin corrosion/irritation - Category 1

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)

H227	Combustible Liquid
H302	Harmful if swallowed.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.

Precautionary statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305+P351+P338	F IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P280	Wear protective gloves/protective clothing/eye protection/face protection.

HMIS Classification & Potential Health Effects**HMIS Ratings**

Health : 2, Flammability : 2, Physical Hazard : 0, Personal protection : D

Inhalation

May be harmful if inhaled. Causes respiratory tract irritation

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eyes

May cause eye irritation.

Ingestion

May be harmful if swallowed.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Alpha Pinene			1% - 6%
Alpha Terpinene			5% - 13%
Limonene			0.5% - 4%
1,8-Cineole			15%Max
Gamma Terpinene			10% - 28%
P-Cymene			0.5% - 12%
Terpinolene			1.5% - 5%
Alpha Terpineol			1.5% - 8%
Terpinen-4-ol (GC)			40.0%Min

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.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

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, such as dry-lime, sand, soda ash, to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

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

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Skin

Compatible chemical-resistant gloves are recommended. Light protective clothing recommended. Wash contaminated clothing before reuse.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Handle in accordance with good industrial hygiene and safety procedures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colorless to greenish yellow clear liquid.
Odor	:	Fresh camphoraceous odor
Odor threshold	:	Not available.
PH	:	Not available.
Flash point	:	64°C .
Relative density	:	0.885 - 0.906 at 20°C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.

Refractive index : 1.4750 – 1.4820 @ 20°C
Optical rotation : -15° to +5° at 20°C.

10. STABILITY AND REACTIVITY

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 Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not available.

Specific target organ toxicity

Inhalation -May cause respiratory irritation.

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

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

Harmful if swallowed.

12. ECOLOGICAL INFORMATION

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.

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

US DOT Shipping Description (Land)

Not regulated

IMO-IMDG Shipping Description (Sea)

Not regulated

IATA Shipping Description (Air)

Not regulated

15. REGULATORY INFORMATION

WHMIS Classification

B3, D2B

HMIS (USA)

Health : 2, Flammability : 2, Physical Hazard : 0, Personal protection : D

GHS Hazard Statements

See section 2.

GHS Precautionary Statements

See section 2.

16. OTHER INFORMATION

Revision date : May 12, 2016

Disclaimer & Caution

Prior to use, please refer to all relevant technical information specific to the product. 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 product, 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 the use of or reliance upon this information.

