1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TEA TREE OIL

Other name(s): Tea Tree Oil; Tea Tree Oil Organic; Tea Tree Oil Premium; Melaleuca Alternifolia (Tea Tree) Leaf Oil

Recommended use of the chemical and restrictions on use: Essential oil.

Supplier: NOW Health Group Inc.
NOW Foods

Street Address: 395 S. Glen Ellyn Rd.
Bloomingdale, Il 60108 USA

Telephone Number: Non-Emergency 630-545-9098
800-255-3924 ChemTel

2. HAZARDS IDENTIFICATION

 Classified as Dangerous Goods by the criteria of the DOT/OSHA Code for Transport by Road and Rail; DANGEROUS GOODS.

This material is hazardous according to OSHA HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:
- Flammable liquids - Category 3
- Acute Oral Toxicity - Category 4
- Skin Irritation - Category 2
- Eye Irritation - Category 2A
- Skin Sensitization - Category 1
- Aspiration hazard - Category 1

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:
- Acute Aquatic Toxicity - Category 2
- Chronic Aquatic Toxicity - Category 2

SIGNAL WORD: POISON

Hazard Statement(s):
- H226 Flammable liquid and vapor.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
Precautionary Statement(s):

**Prevention:**
P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.
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 mist / vapors / spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves / protective clothing / eye protection / face protection.

**Response:**
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before re-use.
P370 In case of fire:
P378 Use normal foam, dry agent (carbon dioxide, dry chemical powder) to extinguish.

**Storage:**
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

**Disposal:**
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Poisons Schedule (SUSMP):   S6   Poison.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Proportion</th>
<th>Hazard Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oils, tea tree</td>
<td>68647-73-4</td>
<td>100%</td>
<td>H226, H302, H304, H315, H317, H319, H401, H411</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**Inhalation:**
Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
**Skin Contact:**
If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water and soap. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye Contact:**
If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

**Ingestion:**
Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Get to a doctor or hospital quickly. Urgent hospital treatment is likely to be needed.

**Indication of immediate medical attention and special treatment needed:**
Treat symptomatically. Delayed pulmonary edema may result.

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**
Normal foam, dry agent (carbon dioxide, dry chemical powder).

**Hazmat or Emergency Action Code:** 3Y

**Specific hazards arising from the substance or mixture:**
Flammable liquid. On burning will emit toxic fumes, including those of oxides of carbon.

**Special protective equipment and precautions for fire-fighters:**
Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures/Environmental precautions:**
Shut off all possible sources of ignition. Clear area of all unprotected personnel. Increase ventilation. If contamination of sewers or waterways has occurred advise local emergency services.

**Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**
Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapors. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use non-sparking tools. Collect and seal in properly labelled containers or drums for disposal.

### 7. HANDLING AND STORAGE

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.
Precautions for safe handling:
Avoid skin and eye contact and breathing in vapor. Keep out of reach of children. May form flammable vapor mixtures with air. Vapor may travel a considerable distance to source of ignition and flash back. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. Do NOT smoke. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities:
Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Control Parameters: No value assigned for this specific material by Safe Work Australia.

Appropriate engineering controls:
Use in well ventilated areas. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapor/particulate respirator. Keep containers closed when not in use.

Individual protection measures, such as Personal Protective Equipment (PPE):
The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

Wear overalls, chemical goggles and impervious gloves. If determined by a risk assessment an inhalation risk exists, wear an organic vapor/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Clear Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>Colorless to Pale Yellow</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>0.885 - 0.906 @ 20°C</td>
</tr>
<tr>
<td>Relative Vapor Density (air=1):</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure (20 °C):</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point (°C):</td>
<td>59 (PMCC)</td>
</tr>
<tr>
<td>Flammability Limits (%):</td>
<td>Not available</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Auto ignition Temperature (°C): 269
Boiling Point/Range (°C): 97 - 220
Decomposition Point (°C): Not available
pH: Not applicable
Viscosity: Kinematic: 2.86 mm2/s @ 20°C; 1.71 mm2/s @ 40°C
Partition Coefficient: 3.4 - 5.5
Freezing Point/Range (°C): -22

10. STABILITY AND REACTIVITY

Reactivity: No information available.
Chemical stability: Stable under normal conditions of use.
Possibility of hazardous reactions: Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. Hazardous polymerization will not occur.
Conditions to avoid: Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to air.
Incompatible materials: Incompatible with strong oxidizing agents and reducing agents.
Hazardous decomposition products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Swallowing can result in nausea, vomiting, diarrhea, and abdominal pain. Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung).

Eye contact: An eye irritant.

Skin contact: Contact with skin will result in irritation. A skin sensitizer. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Inhalation: Breathing in vapor, mists or aerosols may produce respiratory irritation.

Acute toxicity:
Oral LD50 (rat): 1,900 mg/kg (1)

Skin corrosion/irritation: Irritant. (2)
Serious eye damage/irritation: Severe irritant. (1)
Respiratory or skin sensitization: A skin sensitizer. (2)
Chronic effects: No information available for the product.

Mutagenicity: Non-mutagenic in AMES test. (1)
Carcinogenicity: Not listed as carcinogenic according to IARC. (1)
Reproductive toxicity: Not known or reported to cause reproductive or developmental toxicity. (1)
Specific Target Organ Toxicity (STOT) - single exposure: No information available.
Specific Target Organ Toxicity (STOT) - repeated exposure: No information available.
Aspiration hazard: May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Eco toxicity: Avoid contaminating waterways.
Persistence/degradability: The material is biodegradable. (1)
Bio accumulative potential: No information available.
Mobility in soil: No information available.
Aquatic toxicity: Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal methods:
Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations. Advise flammable nature. Normally suitable for incineration by an approved agent.

14. TRANSPORT INFORMATION

Road and Rail Transport
Classified as Dangerous Goods by the criteria of the DOT/ADR/RID Code for Transport by Road and Rail; DANGEROUS GOODS.

UN No: 2319
Transport Hazard Class: 3 Flammable Liquid
Packing Group: III
Proper Shipping Name or Technical Name: TERPENE HYDROCARBONS, N.O.S. (TEA TREE OIL)
Hazmat or Emergency Action Code: 3Y
Marine Transport
Classified as Dangerous Goods by the criteria of ADNR Code for transport by sea; DANGEROUS GOODS.

UN No: 2319
Transport Hazard Class: 3 Flammable Liquid
Packing Group: III
Proper Shipping Name or Technical Name: TERPENE HYDROCARBONS, N.O.S. (TEA TREE OIL)
IMDG EMS Fire: F-E
IMDG EMS Spill: S-D

Air Transport
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 2319
Transport Hazard Class: 3 Flammable Liquid
Packing Group: III
Proper Shipping Name or Technical Name: TERPENE HYDROCARBONS, N.O.S. (TEA TREE OIL)

15. REGULATORY INFORMATION

Classification:
This material is hazardous according to OSHA; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:
Flammable liquids - Category 3
Acute Oral Toxicity - Category 4
Skin Irritation - Category 2
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Hazard Statement(s):
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Poisons Schedule (SUSMP): S6 Poison.
16. OTHER INFORMATION

Revised Date: May 2015
This SDS summarizes to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace.

This Information is supplied by our vendor. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.