1 Identification

- **Product identifier**
  - **Trade name:** Organic Tea Tree Oil
  - **Product code:** 7470
  - **CAS Number:** 68647-73-4

- **Recommended use and restriction on use**
  - **Recommended use:** Essential oils.
  - **Restrictions on use:** No relevant information available.

- **Details of the supplier of the Safety Data Sheet**
  - **Manufacturer/Supplier:** NOW Health Group
  - **Address:** 395 S. Glen Ellyn Road
  - **City:** Bloomingdale, IL 60108
  - **Phone:** 630-545-9098
  - **Emergency telephone number:**
    - ChemTel Inc.
    - (800)255-3924 (North America)
    - +1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Flam. Liq. 3  H226 Flammable liquid and vapor.
  - Acute Tox. 4  H302 Harmful if swallowed.
  - Acute Tox. 4  H332 Harmful if inhaled.
  - Skin Irrit. 2  H315 Causes skin irritation.
  - Skin Sens. 1  H317 May cause an allergic skin reaction.
  - Asp. Tox. 1  H304 May be fatal if swallowed and enters airways.

- **Label elements**
  - **GHS label elements**
    - The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms:**
    - ![GHS Pictograms](image)
    - GHS02 GHS07 GHS08

- **Signal word:** Danger

- **Hazard statements:**
  - **H226** Flammable liquid and vapor.
  - **H302+H332** Harmful if swallowed or if inhaled.
  - **H315** Causes skin irritation.
  - **H317** May cause an allergic skin reaction.
  - **H304** May be fatal if swallowed and enters airways.

- **Precautionary statements:**
  - **P210** Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

(Cont'd. on page 2)
Safety Data Sheet

Trade name: Organic Tea Tree Oil

| 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, or spray. |
| P264 | Wash thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P272 | Contaminated work clothing must not be allowed out of the workplace. |
| P280 | Wear protective gloves and eye protection. |
| P301+P310 | If swallowed: Immediately call a poison center/doctor. |
| 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. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P370+P378 | In case of fire: Use for extinction: Alcohol resistant foam or water spray. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Other hazards: There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

- Chemical characterization: Substances
- CAS No. Description
  68647-73-4 tea tree oil

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints. |
  - After skin contact: Immediately remove any clothing soiled by the product. Wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention. |
  - After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. |
  - After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. |
  - Most important symptoms and effects, both acute and delayed: Breathing difficulty |
## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
  - Foam
  - Carbon dioxide
  - Gaseous extinguishing agents
  - Fire-extinguishing powder
  - Water fog / haze
- **For safety reasons unsuitable extinguishing agents:**
  - Water stream.
  - Water spray
- **Special hazards arising from the substance or mixture**
  - Flammable liquid and vapor.
  - Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
  - Wear self-contained respiratory protective device.
  - Wear fully protective suit.
- **Additional information:**
  - Eliminate all ignition sources if safe to do so.
  - Cool endangered receptacles with water in flooding quantities.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  - Ensure adequate ventilation.
  - Wear protective equipment. Keep unprotected persons away.
  - Keep away from ignition sources.
  - Protect from heat.
  - For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions** Do not allow to enter sewers/ surface or ground water.
Trade name: Organic Tea Tree Oil

Methods and material for containment and cleaning up
Towel or mop up material and collect in a suitable container.
Large Spills:
Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
Send for recovery or disposal in suitable receptacles.
Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling:
Avoid splashes or spray in enclosed areas.
Use only in well ventilated areas.
Avoid contact with the eyes and skin.
Avoid breathing mist, vapors, or spray.
Open and handle receptacle with care.
Keep out of reach of children.
Information about protection against explosions and fires:
Flammable liquid and vapor.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Flammable gas-air mixtures may be formed in empty containers/receptacles.
Conditions for safe storage, including any incompatibilities
Requirements to be met by storerooms and receptacles:
Store in cool, dry conditions in well sealed receptacles.
Avoid storage near extreme heat, ignition sources or open flame.
Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from oxidizing agents.
Specific end use(s) No relevant information available.

8 Exposure controls/personal protection

Control parameters
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls
General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Avoid breathing mist, vapors, or spray.
Engineering controls: Provide adequate ventilation.
Trade name: Organic Tea Tree Oil

- **Breathing equipment:**
  Not required under normal conditions of use.
  Use suitable respiratory protective device when aerosol or mist is formed.

- **Protection of hands:**
  ![Protective gloves]
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  **Material of gloves**
  Nitrile rubber, NBR
  Butyl rubber, BR
  Neoprene gloves
  Natural rubber, NR
  Fluorocarbon rubber (Viton)

- **Eye protection:**
  ![Safety glasses]
  Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment** No special requirements.
- **Risk management measures** No special requirements.

### 9 Physical and chemical properties

Information on basic physical and chemical properties

- **Appearance:**
  - **Form:** Liquid
  - **Color:** Colorless to pale yellow.
  - **Odor:** Characteristic
  - **Odor threshold:** Not determined.

- **pH-value:** Not determined.
- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** Not determined.
- **Flash point:** 59 °C (138.2 °F)
- **Auto-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Danger of explosion:** Not determined.

- **Explosion limits**
  - **Lower:** Not determined.
  - **Upper:** Not determined.

- **Oxidizing properties:** Non-oxidizing.
Trade name: Organic Tea Tree Oil

- Vapor pressure: Not determined.
- Density:
  - Relative density: Not determined.
  - Vapor density: Not determined.
  - Evaporation rate: Not determined.
- Solubility in / Miscibility with
  - Water: Not miscible or difficult to mix.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- Other information No relevant information available.

10 Stability and reactivity

- Reactivity: No relevant information available.
- Chemical stability: Stable under normal temperatures and pressures.
- Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions
  Flammable liquid and vapor.
  Reacts with oxidizing agents.
  Used empty containers may contain product gases which form explosive mixtures with air.
  Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
  Toxic fumes may be released if heated above the decomposition point.
- Conditions to avoid Excessive heat.
- Incompatible materials Oxidizing agents
- Hazardous decomposition products
  Under fire conditions only:
  Carbon monoxide and carbon dioxide

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity: Harmful if swallowed or if inhaled.
  - LD/LC50 values that are relevant for classification:
    68647-73-4 tea tree oil
    - Oral LD50 1,900 mg/kg (rat)
    - Dermal LD50 5,000 mg/kg (rabbit)
  - Primary irritant effect:
    - On the skin: Irritant to skin and mucous membranes.
    - On the eye: Based on available data, the classification criteria are not met.
    - Sensitization: Sensitization possible through skin contact.
Trade name: Organic Tea Tree Oil

- IARC (International Agency for Research on Cancer):
  Substance is not listed.
- NTP (National Toxicology Program):
  Substance is not listed.
- OSHA-Ca (Occupational Safety & Health Administration):
  Substance is not listed.
  - Probable route(s) of exposure:
    Ingestion.
    Inhalation.
    Eye contact.
    Skin contact.
  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Based on available data, the classification criteria are not met.
  - Reproductive toxicity: Based on available data, the classification criteria are not met.
  - STOT-single exposure: Based on available data, the classification criteria are not met.
  - STOT-repeated exposure: Based on available data, the classification criteria are not met.
  - Aspiration hazard: May be fatal if swallowed and enters airways.

12 Ecological information

- Toxicity
  - Aquatic toxicity: Toxic to aquatic life with long lasting effects.
- Persistence and degradability: Biodegradable.
- Bioaccumulative potential: No relevant information available.
- Mobility in soil: No relevant information available.
- Additional ecological information
- General notes:
  Do not allow product to reach ground water, water course or sewage system.
  Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - Other adverse effects: No relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
  - Uncleaned packagings
  - Recommendation: Disposal must be made according to official regulations.
14 Transport information

- **UN-Number**
  - DOT
  - ADR, IMDG, IATA: Not regulated. UN2319

- **UN proper shipping name**
  - DOT
  - ADR, IMDG, IATA: Not regulated. TERPENE HYDROCARBONS, N.O.S. (TEA TREE OIL)

- **Transport hazard class(es)**
  - DOT
    - Class: Not regulated.
    - Label: -
  - ADR, IMDG, IATA
    - Class: 3
    - Label: 3

- **Packing group**
  - DOT
  - ADR, IMDG, IATA: Not regulated. III

- **Environmental hazards**
  - Product contains environmentally hazardous substances: Tea Tree Oil

- **Marine pollutant:**
  - Yes

- **Special precautions for user**
  - Warning: Flammable liquids

- **EMS Number:**
  - F-E,S-D

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.

- **Transport/Additional information:**
  - Transport labeling is not required for non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and a maximum net mass greater than 400kg (882 pounds) for a solid.
### Trade name: Organic Tea Tree Oil

(Cont'd. of page 8)

- **IMDG**
  - Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.
  - Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to provisions relevant to marine pollutants. (See 5.2.1.8.1)

- **IATA**
  - Limited Quantity for packages less than 30 kg gross and inner packagings less than 2.5 L each / 10 L net.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - United States (USA)
  - SARA
    - **Section 302 (extremely hazardous substances):**
      - Substance is not listed.
    - **Section 355 (extremely hazardous substances):**
      - Substance is not listed.
    - **Section 313 (Specific toxic chemical listings):**
      - Substance is not listed.
  - **TSCA (Toxic Substances Control Act)**
    - Substance is listed.
  - **Proposition 65 (California)**
    - **Chemicals known to cause cancer:**
      - Substance is not listed.
    - **Chemicals known to cause developmental toxicity for females:**
      - Substance is not listed.
    - **Chemicals known to cause developmental toxicity for males:**
      - (Cont'd. on page 10)
Safety Data Sheet
acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: October 25, 2018  Revision: October 25, 2018

Trade name: Organic Tea Tree Oil

<table>
<thead>
<tr>
<th>(Cont’d. of page 9)</th>
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<tr>
<td><strong>Chemicals known to cause developmental toxicity:</strong></td>
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<td>Substance is not listed.</td>
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<tr>
<td><strong>EPA (Environmental Protection Agency):</strong></td>
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<tr>
<td>Substance is not listed.</td>
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<tr>
<td><strong>IARC (International Agency for Research on Cancer):</strong></td>
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<tr>
<td>Substance is not listed.</td>
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<tr>
<td><strong>Canadian Domestic Substances List (DSL) (Substances not listed.):</strong></td>
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<tr>
<td>Substance is listed.</td>
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16 Other information

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.

**Abbreviations and acronyms:**
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistant, Bio-accumulable, Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health Administration
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1

**Sources**
Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Safety Data Sheets, Individual Manufacturers

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