1 Identification

- **Product identifier**
  - Trade name: Oregano Oil
  - Product code: 7573 & 7494
  - CAS Number: 8007-11-2

- **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
    - 395 S. Glen Ellyn Road
    - Bloomingdale, IL 60108
    - 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. 4  H227  Combustible liquid.
  - Acute Tox. 4  H302  Harmful if swallowed.
  - Acute Tox. 3  H311  Toxic in contact with skin.
  - Skin Irrit. 2  H315  Causes skin irritation.
  - Eye Irrit. 2A  H319  Causes serious eye irritation.
  - 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**:
    - ![GHS06](image)
    - ![GHS07](image)
    - ![GHS08](image)

- **Signal word**: Danger
- **Hazard statements**:
  - H227 Combustible liquid.
  - H302 Harmful if swallowed.
  - H311 Toxic in contact with skin.
  - H315 Causes skin irritation.
  - H319 Causes serious eye irritation.
  - H304 May be fatal if swallowed and enters airways.
- **Precautionary statements**:
  - P210  Keep away from flames and hot surfaces. – No smoking.
Trade name: Oregano Oil

P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P302+P352 If on skin: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.
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
  8007-11-2 Oregano oil

4 First-aid measures

- Description of first aid measures
  - After inhalation:
    Supply fresh air.
    Seek immediate medical advice.
    Provide oxygen treatment if affected person has difficulty breathing.
    If experiencing respiratory symptoms: Call a poison center/doctor.
    In case of unconsciousness place patient stably in side position for transportation.
  - After skin contact:
    Immediately wash with water and soap and rinse thoroughly.
    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. Then consult a doctor.
  - After swallowing:
    Rinse out mouth and then drink plenty of water.
    Do not induce vomiting; immediately call for medical help.
    A person vomiting while lying on their back should be turned onto their side.
  - Most important symptoms and effects, both acute and delayed:
    Breathing difficulty
    Coughing
    Causes eye irritation.
Trade name: Oregano Oil

Causes skin irritation.
Gastric or intestinal disorders when ingested.

**Danger:**
Danger of impaired breathing.
Harmful if swallowed.
May be fatal if swallowed and enters airways.
Toxic in contact with skin.

**Indication of any immediate medical attention and special treatment needed:**
If swallowed or in case of vomiting, danger of entering the lungs.
If necessary oxygen respiration treatment.
Later observation for pneumonia and pulmonary edema.
If medical advice is needed, have product container or label at hand.

---

5 Fire-fighting measures

- **Extinguishing media**
- Suitable extinguishing agents:
  - Foam
  - Carbon dioxide
  - Fire-extinguishing powder
  - Gaseous extinguishing agents
  - Water fog / haze

- **For safety reasons unsuitable extinguishing agents:** Water stream.

- **Special hazards arising from the substance or mixture**
  - Combustible liquid.
  - 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 containers with water fog.

---

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  - Wear protective equipment. Keep unprotected persons away.
  - Ensure adequate ventilation.
  - Keep away from ignition sources.
  - For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

- **Environmental precautions**
  - Avoid release to the environment.

- **Methods and material for containment and cleaning up**
  - 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.
Trade name: Oregano Oil

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.
  - Information about protection against explosions and fires:
    Combustible liquid.
    Keep ignition sources away - Do not smoke.

- Conditions for safe storage, including any incompatibilities
  - Requirements to be met by storerooms and receptacles:
    Avoid storage near extreme heat, ignition sources or open flame.
    Store in cool, dry conditions in well sealed receptacles.
  - 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.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Do not inhale gases / fumes / aerosols.
    Avoid contact with the eyes and skin.
  - Engineering controls: Provide adequate ventilation.
  - Breathing equipment:
    Use suitable respiratory protective device in case of insufficient ventilation.
    NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.
  - Protection of hands:
    [Image]
    Protective gloves
    - Eye protection: Follow relevant national guidelines concerning the use of protective eyewear.
    - Body protection: Protective work clothing
### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td>Form: Liquid</td>
</tr>
<tr>
<td>Color: Yellowish</td>
</tr>
<tr>
<td>Odor: Characteristic</td>
</tr>
<tr>
<td>Odor threshold: Not determined.</td>
</tr>
<tr>
<td>pH-value: Not determined.</td>
</tr>
<tr>
<td>Melting point/Melting range: Not determined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range: Not determined.</td>
</tr>
<tr>
<td>Flash point: 63 °C (145.4 °F)</td>
</tr>
<tr>
<td>Flammability (solid, gaseous): Not applicable.</td>
</tr>
<tr>
<td>Auto-ignition temperature: Not determined.</td>
</tr>
<tr>
<td>Decomposition temperature: Not determined.</td>
</tr>
<tr>
<td>Danger of explosion: Not determined.</td>
</tr>
<tr>
<td>Explosion limits</td>
</tr>
<tr>
<td>Lower: Not determined.</td>
</tr>
<tr>
<td>Upper: Not determined.</td>
</tr>
<tr>
<td>Oxidizing properties: Non-oxidizing.</td>
</tr>
<tr>
<td>Vapor pressure: Not determined.</td>
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<tr>
<td>Density:</td>
</tr>
<tr>
<td>Relative density: 0.95</td>
</tr>
<tr>
<td>Vapor density: Not determined.</td>
</tr>
<tr>
<td>Evaporation rate: Not determined.</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water: Not miscible or difficult to mix.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water): Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
</tr>
<tr>
<td>Dynamic: Not determined.</td>
</tr>
<tr>
<td>Kinematic: Not determined.</td>
</tr>
<tr>
<td>Other information: No relevant information available.</td>
</tr>
</tbody>
</table>

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
Trade name: Oregano Oil

- Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions
  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.
  Reacts with oxidizing agents.
- Conditions to avoid
  Keep ignition sources away - Do not smoke.
  Store away from oxidizing agents.
- 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:
    Toxic in contact with skin.
    Harmful if swallowed.
- LD/LC50 values that are relevant for classification:

<table>
<thead>
<tr>
<th></th>
<th>8007-11-2 Oregano oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>1850 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>320 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

- Primary irritant effect:
  - On the skin: Irritant to skin and mucous membranes.
  - On the eye: Causes eye irritation.
  - Sensitization: Based on available data, the classification criteria are not met.

- 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: No relevant information available.
- Persistence and degradability: No relevant information available.
- Bioaccumulative potential: No relevant information available.
- Mobility in soil: No relevant information available.
- Additional ecological information
- General notes:
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- 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/RID/ADN, IMDG, IATA: UN2810

- UN proper shipping name
  DOT, IATA: Toxic, liquid, organic, n.o.s. (Oregano oil)
  ADR/RID/ADN, IMDG: TOXIC LIQUID, ORGANIC, N.O.S. (Oregano oil)

- Transport hazard class(es)
  DOT
  - Class: 6.1
  - Label: 6.1

  ADR/RID/ADN
  - Class: 6.1 (T1)
## Trade name: Oregano Oil

### (Cont’d. of page 7)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td><strong>Label</strong></td>
<td>6.1</td>
</tr>
<tr>
<td><strong>IMDG, IATA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Class</strong></td>
<td>6.1</td>
</tr>
<tr>
<td><strong>Label</strong></td>
<td>6.1</td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DOT, ADR/RID/ADN, IMDG, IATA</strong></td>
<td>III</td>
</tr>
<tr>
<td><strong>Environmental hazards</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Marine pollutant:</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Special precautions for user</strong></td>
<td>Warning: Toxic substances</td>
</tr>
<tr>
<td><strong>Danger code (Kemler):</strong></td>
<td>60</td>
</tr>
<tr>
<td><strong>EMS Number:</strong></td>
<td>F-A,S-A</td>
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### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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<tr>
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<tbody>
<tr>
<td><strong>Not applicable.</strong></td>
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</table>

### Transport/Additional information:

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DOT</strong></td>
</tr>
<tr>
<td><strong>Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.</strong></td>
</tr>
<tr>
<td><strong>ADR/RID/ADN</strong></td>
</tr>
<tr>
<td><strong>Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.</strong></td>
</tr>
<tr>
<td><strong>IMDG</strong></td>
</tr>
<tr>
<td><strong>Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.</strong></td>
</tr>
<tr>
<td><strong>IATA</strong></td>
</tr>
<tr>
<td><strong>Limited Quantity for packages less than 30 kg gross and inner packagings less than 0.5 L each / 1 L each.</strong></td>
</tr>
</tbody>
</table>

### 15 Regulatory information

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Safety, health and environmental regulations/legislation specific for the substance or mixture</strong></td>
</tr>
</tbody>
</table>

(Cont’d. on page 9)
**Trade name: Oregano Oil**

<table>
<thead>
<tr>
<th>Section</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States (USA)</td>
<td>(Cont'd. on page 8)</td>
</tr>
<tr>
<td>SARA</td>
<td></td>
</tr>
<tr>
<td>Section 302 (extremely hazardous substances):</td>
<td>Substance is not listed.</td>
</tr>
<tr>
<td>Section 355 (extremely hazardous substances):</td>
<td>Substance is not listed.</td>
</tr>
<tr>
<td>Section 313 (Specific toxic chemical listings):</td>
<td>Substance is not listed.</td>
</tr>
<tr>
<td>TSCA (Toxic Substances Control Act)</td>
<td>Substance is listed</td>
</tr>
<tr>
<td>Proposition 65 (California)</td>
<td></td>
</tr>
<tr>
<td>Chemicals known to cause cancer:</td>
<td>Substance is not listed.</td>
</tr>
<tr>
<td>Chemicals known to cause developmental toxicity for females:</td>
<td>Substance is not listed.</td>
</tr>
<tr>
<td>Chemicals known to cause developmental toxicity for males:</td>
<td>Substance is not listed.</td>
</tr>
<tr>
<td>Chemicals known to cause developmental toxicity:</td>
<td>Substance is not listed.</td>
</tr>
<tr>
<td>EPA (Environmental Protection Agency):</td>
<td>Substance is not listed.</td>
</tr>
<tr>
<td>IARC (International Agency for Research on Cancer):</td>
<td>Substance is not listed.</td>
</tr>
<tr>
<td>Canadian Domestic Substances List (DSL):</td>
<td>Substance is listed</td>
</tr>
</tbody>
</table>

**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
- OSHA: Occupational Safety & Health Administration
- Flam. Liq. 4: Flammable liquids – Category 4
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 3: Acute toxicity – Category 3
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- Asp. Tox. 1: Aspiration hazard – Category 1

**Sources**

(Cont'd. on page 10)
<table>
<thead>
<tr>
<th>Trade name: Oregano Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Website, European Chemicals Agency (echa.europa.eu)</td>
</tr>
<tr>
<td>Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)</td>
</tr>
<tr>
<td>Website, Chemical Abstracts Registry, American Chemical Society (<a href="http://www.cas.org">www.cas.org</a>)</td>
</tr>
<tr>
<td>Safety Data Sheets, Individual Manufacturers</td>
</tr>
<tr>
<td>SDS Prepared by:</td>
</tr>
<tr>
<td>ChemTel Inc.</td>
</tr>
<tr>
<td>1305 North Florida Avenue</td>
</tr>
<tr>
<td>Tampa, Florida USA 33602-2902</td>
</tr>
<tr>
<td>Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573</td>
</tr>
<tr>
<td>Website: <a href="http://www.chemtelinc.com">www.chemtelinc.com</a></td>
</tr>
</tbody>
</table>

(Cont’d. of page 9)