

# Certified Organic Sweet Orange Oil

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 11/02/2018

### SECTION 1: Identification

#### 1.1. Identification

|                |                                      |
|----------------|--------------------------------------|
| Product form   | : Substance                          |
| Substance name | : Certified Organic Sweet Orange Oil |
| CAS-No.        | : 8008-57-9                          |
| Product code   | : 083                                |
| Synonyms       | : <i>Citrus sinensis</i>             |

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Appalachian Valley Natural Products  
260 Maple St PO Box 515  
Friendsville MD 21531  
(301)746-4630  
GOAVNP.COM

#### 1.4. Emergency telephone number

Emergency number : ChemTel: 1-800-255-3924 (Domestic) 1-813-248-0585 (International)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

|                                                                        |      |                                                      |
|------------------------------------------------------------------------|------|------------------------------------------------------|
| Flammable liquids<br>Category 3                                        | H226 | Flammable liquid and vapour                          |
| Skin corrosion/irritation<br>Category 2                                | H315 | Causes skin irritation                               |
| Skin sensitization, Category<br>1                                      | H317 | May cause an allergic skin reaction                  |
| Aspiration hazard Category<br>1                                        | H304 | May be fatal if swallowed and enters airways         |
| Hazardous to the aquatic<br>environment - Acute<br>Hazard Category 1   | H400 | Very toxic to aquatic life                           |
| Hazardous to the aquatic<br>environment - Chronic<br>Hazard Category 1 | H410 | Very toxic to aquatic life with long lasting effects |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H226 - Flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US)

: 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 dust/fume/gas/mist/vapors/spray.

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P264 - Wash hands, forearms and face thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 - If swallowed: Immediately call a poison center or doctor  
P302+P352 - If on skin: Wash with plenty of water  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P321 - Specific treatment (see supplemental first aid instruction on this label)  
P331 - Do NOT induce vomiting.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P363 - Wash contaminated clothing before reuse.  
P370+P378 - In case of fire: Use media other than water to extinguish.  
P391 - Collect spillage.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

| Name                                                     | Product identifier  | %   | GHS-US classification                                                                                                                    |
|----------------------------------------------------------|---------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------|
| Certified Organic Sweet Orange Oil<br>(Main constituent) | (CAS-No.) 8008-57-9 | 100 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Do NOT induce vomiting. Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.  
Symptoms/effects after ingestion : Risk of lung edema.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapour.  
Reactivity : Flammable liquid and vapour.

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### 5.3. Special protective equipment and precautions for fire-fighters

- |                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- |                      |                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency procedures | : Ventilate spillage area. NO open flames, NO sparks, and NO smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.2. For emergency responders

- |                      |                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- |                         |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| For containment         | : Collect spillage.                                                                                           |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                               |

### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. |
| Hygiene measures              | : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.                                                                                                                                                                                                                                                                     |

### 7.2. Conditions for safe storage, including any incompatibilities

- |                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| Technical measures | : Ground/bond container and receiving equipment.                                               |
| Storage conditions | : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

- |                                  |                                                |
|----------------------------------|------------------------------------------------|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Environmental exposure controls  | : Avoid release to the environment.            |

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

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### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                             |                           |
|---------------------------------------------|---------------------------|
| Physical state                              | : Mobile Liquid           |
| Color                                       | : Clear, Yellow to Orange |
| Odor                                        | : Citrus, Fruit, Sweet    |
| Odor threshold                              | : No data available       |
| pH                                          | : No data available       |
| Melting point                               | : Not applicable          |
| Freezing point                              | : No data available       |
| Boiling point                               | : No data available       |
| Flash point                                 | : 48 °C                   |
| Relative evaporation rate (butyl acetate=1) | : No data available       |
| Flammability (solid, gas)                   | : Not applicable.         |
| Vapor pressure                              | : No data available       |
| Relative vapor density at 20 °C             | : No data available       |
| Relative density                            | : No data available       |
| Solubility                                  | : No data available       |
| Log Pow                                     | : No data available       |
| Auto-ignition temperature                   | : No data available       |
| Decomposition temperature                   | : No data available       |
| Viscosity, kinematic                        | : No data available       |
| Viscosity, dynamic                          | : No data available       |
| Explosion limits                            | : No data available       |
| Explosive properties                        | : No data available       |
| Oxidizing properties                        | : No data available       |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Acute toxicity                    | : Not classified                       |
| Skin corrosion/irritation         | : Causes skin irritation.              |
| Serious eye damage/irritation     | : Not classified                       |
| Respiratory or skin sensitization | : May cause an allergic skin reaction. |

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|                                                    |                                                    |
|----------------------------------------------------|----------------------------------------------------|
| Germ cell mutagenicity                             | : Not classified                                   |
| Carcinogenicity                                    | : Not classified                                   |
| Reproductive toxicity                              | : Not classified                                   |
| Specific target organ toxicity – single exposure   | : Not classified                                   |
| Specific target organ toxicity – repeated exposure | : Not classified                                   |
| Aspiration hazard                                  | : May be fatal if swallowed and enters airways.    |
| Symptoms/effects after skin contact                | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after ingestion                   | : Risk of lung edema.                              |

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Ecology - general | : Very toxic to aquatic life with long lasting effects. |
|-------------------|---------------------------------------------------------|

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

|                         |                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Additional information  | : Flammable vapors may accumulate in the container.                                           |

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| Transport document description | : UN1169 Extracts, aromatic, liquid, 3, III                     |
| UN-No.(DOT)                    | : UN1169                                                        |
| Proper Shipping Name (DOT)     | : Extracts, aromatic, liquid                                    |
| Class (DOT)                    | : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 |
| Packing group (DOT)            | : III - Minor Danger                                            |
| Hazard labels (DOT)            | : 3 - Flammable liquid                                          |



|                               |       |
|-------------------------------|-------|
| Dangerous for the environment | : Yes |
| Marine pollutant              | : Yes |



|                                         |       |
|-----------------------------------------|-------|
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 203 |
| DOT Packaging Bulk (49 CFR 173.xxx)     | : 242 |

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|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT Special Provisions (49 CFR 172.102)                          | : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 60 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 220 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Emergency Response Guide (ERG) Number                            | : 127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Other information                                                | : No supplementary information available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| Transport document description (IMDG) | : UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III |
| UN-No. (IMDG)                         | : 1169                                       |
| Proper Shipping Name (IMDG)           | : EXTRACTS, AROMATIC, LIQUID                 |
| Class (IMDG)                          | : 3 - Flammable liquids                      |
| Packing group (IMDG)                  | : III - substances presenting low danger     |
| Limited quantities (IMDG)             | : 5 L                                        |
| Marine pollutant                      | : Yes                                        |



### Air transport

|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| Transport document description (IATA) | : UN 1169 Extracts, aromatic, liquid, 3, III |
| UN-No. (IATA)                         | : 1169                                       |
| Proper Shipping Name (IATA)           | : Extracts, aromatic, liquid                 |
| Class (IATA)                          | : 3 - Flammable Liquids                      |
| Packing group (IATA)                  | : III - Minor Danger                         |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Certified Organic Sweet Orange Oil (8008-57-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### Certified Organic Sweet Orange Oil (8008-57-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

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**EU-Regulations**

No additional information available

**National regulations**

No additional information available

**15.3. US State regulations**

No additional information available

**SECTION 16: Other information**

Full text of H-phrases:

|      |                                                      |
|------|------------------------------------------------------|
| H226 | Flammable liquid and vapour                          |
| H304 | May be fatal if swallowed and enters airways         |
| H315 | Causes skin irritation                               |
| H317 | May cause an allergic skin reaction                  |
| H400 | Very toxic to aquatic life                           |
| H410 | Very toxic to aquatic life with long lasting effects |

SDS US (GHS HazCom 2012)

*Company Disclaimer:*  
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Appalachian Valley Natural Products shall not be held liable for any damage resulting from handling or from contact with the above product.