

Material Safety Data Sheet

SECTION 1.1 PRODUCT IDENTIFICATION

Product Name: Tangerine Essential Oil

CAS #: 8016-85-1

EINECS #: 284-521-0

SECTION 1.2 COMPANY INFORMATION

Company: **Nature's Fusions**

Address: 1405 W 820 N, Provo, UT, 84601

Telephone No: 801-872-9500

24 HOUR EMERGENCY TELEPHONE NUMBER: (800) 222-1222 POISON CONTROL

SECTION 2.1 HAZARDS CLASSIFICATION

GHS-US Classification: Flammable Liquid 3

SECTION 2.2 HAZARDS IDENTIFICATION

Signal Word: **Danger**

Hazard Pictograms:



Hazard Statement:

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

Precautionary Statement:

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

SECTION 2.3 OTHER HAZARDS IDENTIFICATION

Tangerine Essential Oil

Revision Date: 10/22/2019

Other Hazards: No additional information available.

SECTION 3. COMPOSITION

Product Name	CAS #	EC#	Concentration
Tangerine	8016-85-1	284-521-0	100%

SECTION 4.1 NECESSARY FIRST AID MEASURES

Eye Contact: Risne opened eye for several minutes under running water.
Inhalation: Supply fresh air; consult doctor in case of complaints.
Ingestion: If symptoms persist consult doctor.
Skin Contact: Generally the product does not irritate the skin.

SECTION 4.2 SYMPTOMS

Eye Contact: No additional information available.
Inhalation: No additional information available.
Ingestion: No additional information available.
Skin Contact: No additional information available.

SECTION 4.3 OTHER FIRST AID MEASURES

Medical Attention/Special Treatment: Treat symptomatically.

SECTION 5.1 EXTINGUISHING

Suitable Extinguishing media: CO2. Extinguishing Powder. Water Spray. Larger fires: Water Spray.
Alcohol-resistant Foam.
Unsuitable Extinguishing media: None.

SECTION 5.2 SPECIAL HAZARDS

Special Hazards Arising from Chemical: No additional information available.

SECTION 5.3 FIRE FIGHTING MEASURES

Firefighter Instructions: No additional information available.
Protection during firefighting: No additional information available.

SECTION 6.1 ACCIDENTAL RELEASE MEASURES

Tangerine Essential Oil

Revision Date: 10/22/2019

- Personal Precautions: Wear protective equipment. Keep unprotected persons away.
Protective equipment: No additional information available.
Environmental Precautions: Inform respective authorities in case of seepage into water course or sewage system.

SECTION 6.2 ACCIDENTAL RELEASE CLEANING MEASURES

- Methods and Material for Cleaning Up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

SECTION 7.1 PRECAUTIONS FOR HANDLING

- Precautions for handling: Wear gloves and eye protection. Avoid inhalation and contact with skin and eyes. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use. May be irritating to the skin and eyes.

SECTION 7.2 CONDITIONS FOR SAFE STORAGE

- Conditions for safe storage: It is recommended that this material be stored in a cool, dry, well ventilated area, in tightly sealed, full containers.

SECTION 8.1 EXPOSURE AND ENGINEERING CONTROLS

- PEL, ACGIH, TLV exposure limit: No additional information available.
Appropriate engineering controls: Shower. Eyewash stations. Ventilation systems.

SECTION 8.2 PERSONAL PROTECTION/EQUIPMENT

- Eye/Face Protection: Tightly sealed goggles.
Hand Protection: Wear protective gloves.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: No additional information available.
Environmental Exposure Control: No additional information available.

SECTION 8.3 ADDITIONAL INFORMATION

- Other: No additional information available.

SECTION 9.1 PHYSICAL PROPERTIES

Tangerine Essential Oil

Revision Date: 10/22/2019

- Appearance: Thin, clear, pale yellow to golden liquid.
Odor: Middle note with a medium aroma, Tangerine is typically fresh, tangy and sweet. With only subtle differences, it smells much like Mandarin. In comparison to Sweet Orange, Tangerine is lighter with sweeter notes.
Odor Threshold: No data available.
Physical State: Liquid.

SECTION 9.2 CHEMICAL PROPERTIES

- pH: No data available.
Melting Point/Freezing Point: No data available.
Boiling Point: No data available.
Flash Point: 45° C
Evaporation Rate: No data available.
Flammability (solid, gas): No data available.
Explosive limits: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Vapor Pressure: No data available.
Vapor Density: No data available.
Specific Gravity: 0.840 – 0.854 @ 20° C (68° F)
Solubility: No data available.
Partition coefficient: No data available.
(n-octanol/water)
Autoignition Temp: No data available.
Decomposition Temp: No data available.
Viscosity: No data available.

SECTION 10. STABILITY AND REACTIVITY

- Reactivity: No additional information available.
Chemical Stability: No additional information available.
Hazardous Reactions: No dangerous reactions known.
Incompatible Materials: No additional information available.
Hazardous Combustion
or Decomposition Products: No dangerous decomposition products known.

SECTION 11.1 ROUTES OF EXPOSURE

- Inhalation: No additional information available.
Skin Contact: No irritant effect.
Eye Contact: No irritating effect.
Ingestion: No additional information available.

SECTION 11.2 RELATED SYMPTOMS

Inhalation: Refer to section 4.2
Skin Contact: Refer to section 4.2
Eye Contact: Refer to section 4.2
Ingestion: Refer to section 4.2

SECTION 11.3 OTHER TOXICOLOGICAL INFORMATION

Delayed/Chronic Effects: May cause allergic reactions on skin, may result in difficulty breathing.
Toxicity: Oral LD50: >5,000 mg/kg (Rat)
Dermal LD50: >5,000 mg/kg (Rabbit)
Carcinogenic: Not Carcinogenic.

SECTION 12.1 ECOLOGICAL INFORMATION

Eco-toxicity: Toxic for fish.
Persistence and Degradability: No additional information available.
Bio-accumulative: No additional information available.
Mobility in Soil: No additional information available.

SECTION 12.2 OTHER ECOLOGICAL INFORMATION

Other Adverse Effects: Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Method: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contaminated Packaging Disposal Method: Disposal must be made according to official regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping (Land): Regulated. Warning: Flammable Liquids.
IATA Shipping (Air): Regulated
IMDG Shipping (Boat): Regulated. Marine Pollutant: Yes. EMS No: F-E, S-E.
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.
UN #: 3082
Hazard Class: 9
Packaging Group: III

SECTION 15. REGULATORY INFORMATION

Tangerine Essential Oil

Revision Date: 10/22/2019

US Federal Regulations: Listed on the United States TSCA (Toxic Substances Control Act) inventory
International Regulations: Listed on the Canadian DSL (Domestic Substances List)

SECTION 16. OTHER INFORMATION

Health Hazard (HMIS): 1 Slight Hazard
Flammability Hazard (HMIS): 2 Moderate Hazard
Physical Hazard (HMIS): 0 Minimal Hazard
Sara 313: None
California Proposition 65: Product contains Myrcene.

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