

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Tangerine Essential Oil
Product code	EO-TANGE
Botanical name	Citrus reticulata blanco var tangerina
CAS #	8016-85-1
Product use	Domestic and Industrial
Supplier	WFMed
Address	8245 Backlick Rd Unit D, Lorton VA 22079 USA
Telephone number	888-WFMED-97 (888-936-3397)
Emergency phone number	888-WFMED-97 (888-936-3397)

2. HAZARD(S) IDENTIFICATION

GHS Hazard Classification

Flammable liquids - Category 3 - H226
Aspiration hazard - Category 1 - H304
Skin corrosion/irritation - Category 2 - H315
Sensitisation, Skin - Category 1 - H317
Serious eye damage/eye irritation - Category 2A - H319

GHS Label Elements



Pictogram
Signal Word

Danger

Hazard Statements

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.
H319	Causes serious eye irritation.

Precautionary Statements - Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash face, hands and any exposed skin thoroughly after

P272 handling.
Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

P301+P310 If swallowed: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P331 Do NOT induce vomiting.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: CO2, dry chemical, or foam to extinguish.

Precautionary Statements - Storage

P403+P235 Store in a well ventilated place. Keep cool.
P405 Store locked up.

Precautionary Statements - Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Hazards Not Otherwise Classified (HNOC)

Very toxic to aquatic life with long lasting effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Product Name</u>	<u>CAS NO</u>	<u>Concentration</u>
Tangerine Essential Oil	8016-85-1	100%

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice/attention.

Skin Contact

Remove contaminated clothing and shoes. Wash area with soap and water. Wash contaminated clothing before reuse. If irritation occurs, seek medical advice/attention.

Inhalation

Remove from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Ingestion

Do NOT induce vomiting without medical advice. Clean mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Use CO₂, dry chemical, or foam.

Specific hazards arising from the chemical

Irritating or toxic substance may be emitted upon burning, combustion, or decomposition.

Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Wear protective gloves/clothing and eye/face protection. Avoid breathing vapors or mist.

Environmental precautions

Keep away from drains, surface and groundwater. Report spills to appropriate authorities if required. See section 12 for additional ecological information.

Methods and materials for containment and cleaning up

Methods for containment

Contain and collect spillage with non-combustible absorbent material (sand, earth, diatomaceous earth), and place in container for disposal according to local/national regulations.

Methods for cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. Keep away from heat, sparks, flames and other sources of ignition (i.e. pilot lights, electric motors, and static electricity). Avoid breathing vapors or mists. Ensure adequate ventilation, especially in confined areas.

Conditions for safe storage, including any incompatibilities

Storage conditions

Keep in a dry, cool and well-ventilated place. Keep out of reach of children. Protect from direct sunlight.

Incompatible materials

None known based on information supplied.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Alpha-Pinene (80-56-8)	TWA: 20 ppm	-	-
Beta-Pinene (127-91-3)	TWA: 20 ppm	-	-
Citral (5392-40-5)	TWA: 5 ppm inhalable fraction/vapor S*	-	-

Exposure controls

Engineering controls

Provide showers, eyewash stations, and ventilation systems.

Personal protective equipment

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: Ensure adequate ventilation, especially in confined areas. If exposure limits are exceeded, or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practices. Avoid breathing (dust, vapor, mist, gas). Regular cleaning of equipment, work area, and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Orange to dark reddish-orange
Odor	Characteristic odor
Flash point	46°C (115 °F)
Vapor pressure	0.9
Specific gravity (@ 25°C)	0.855
Solubility	Insoluble in water

10 . STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possible hazardous reactions

None under normal processing.

Conditions to avoid

Direct sunlight. Extremely high temperatures. Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous decomposition

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects**Acute toxicity**

No data available.

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/eye irritation

Causes severe eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction and respiratory irritation.

Germ cell mutagenicity

No data available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

<u>Chemical Name</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
D-Limonene (5989-27-5)		Group 2A/3		X

Reproductive toxicity

This product does not contain any known or suspected reproductive hazard above the threshold value.

Aspiration hazard

May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Dispose of product in accordance with local regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION

US DOT (Land)

UN/ID #	1169
Proper Shipping Name	Extracts, Aromatics, Liquid
Hazard Class	3
Packing Group	III

IMDG/IMO (Sea)

UN/ID #	1169
Proper Shipping Name	Extracts, Aromatics, Liquid
Hazard Class	3
Packing Group	III
EmS-No	F-E, S-D

IATA/ICAO (Air)

UN/ID #	1169
Proper Shipping Name	Extracts, Aromatics, Liquid
Hazard Class	3
Packing Group	III

15. REGULATORY INFORMATION

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to the releases of this material.

US State Right-to-Know Regulations

<u>Chemical Name</u>	<u>New Jersey</u>	<u>Massachusetts</u>	<u>Pennsylvania</u>	<u>Rhode Island</u>
Alpha-Pinene (80-56-8)	X	X	X	
Terpinolene (586-62-9)	X			

16. OTHER INFORMATION

Creation date: 8/21/2014

Revision date: 7/17/2017

Disclaimer & Caution:

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