

0470 – Tangerine Oil, Natural

Safety Data Sheet

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

Revosopm date: 04/22/2024 Version: 1.8

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : 0470 - Tangerine Oil, Natural
CAS Number : 8016-85-1
Product form : Substance
Product code : 50-6260-01

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

LorAnn Oils, Inc.
4518 Aurelius Road
Lansing, MI 48910
Telephone: 1.800.862.8620

1.4. Emergency telephone number

Emergency number : CHEMTREC: Within USA and Canada: 1.800.424.9300 Outside USA and Canada: +1 703 527 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flammable liquids Category 3	flammable liquid and vapor
Skin corrosion/ irritation Category 2	causes skin irritation
Skin sensitization, Category 1	may cause an allergic skin reaction.
Aspiration hazard Category 1	May be fatal if swallowed and enters airways.

2.2. GHS Label elements, including precautionary statements

GHS label elements

Hazard pictograms (GHS US)



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Flammable liquid and vapor
Causes skin irritation
May cause an allergic skin reaction
May be fatal if swallowed and enters airways

Precautionary statements: : Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection

If swallowed: Immediately call a poison center/doctor.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Do NOT induce vomiting.
In case of fire: Use for extinction: CO2, powder or water spray.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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
TANGERINE OIL	(CAS-No.)	100	Flam. Liq. 3, H226 Skin irrit 2, H315 Skin sens. 1, H317 Asp. Tox. 1, H304

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: Firefighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Special hazards arising from chemical

Fire hazard : Flammable liquid and vapor.

Reactivity : Flammable liquid and vapor.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable 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: "expose controls/personal protection."

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

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 13

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 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 measure : Ground/ bond container and receiving equipment.

Storage conditions : Store in well ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Packaging materials : Store always product in container of same material as original container

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

TANGERINE OIL (8016-85-1)
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

Personal protective equipment

Wear recommended personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

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	: Liquid
Color	: ORANGE TO REDDISH ORANGE-LIKE ODOR
Odor	: PLESANT ORANGE - LIKE ODOR
Odor threshold	: Not determined
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 48°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative density	: 0.845 (0.837-0.85)
Relative vapor density at 20°C	: No data available
Solubility	: Insoluble
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available

Partition coefficient n-octanol/water (log pow)	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available.

9.2. Other information

VOC Content	: 76.6%
Refractive index	: 1.473 (1.468-1.48)

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

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.

10.7. Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: not classified.
Acute toxicity (dermal)	: not classified.
Acute toxicity (inhalation)	: not classified.
Skin corrosion/ irritation	: causes skin irritation
Serious eye damage/ irritation	: not classified
Respiratory or skin sensitization	: may cause an allergic skin reaction
Germ cell mutagenicity	: not classified.
Carcinogenicity	: not classified
Reproductive toxicity	: not classified
STOT- single exposure	: not classified.
STOT- repeated exposure	: not classified
Aspiration hazard	: may be fatal if swallowed and enters airways.
Viscosity, kinematic	: No data available
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: the product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available.

12.3. Additional Ecological Information

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

Regional waste regulation	: Disposal must be done according to official regulations
Waste treatment methods	: Dispose of contents/ container in accordance with licensed collector's sorting instructions.
Sewage Disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations
Additional information	: Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description (DOT) : UN1197 Extracts, flavoring, liquid, (regulated for bulk only), 3, III

UN-No. (DOT) : UN1197

Proper shipping name (DOT) : extracts, flavoring, liquid
(Regulated for bulk only)

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



DOT Packaging Non bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Special Provisions (49 CFR 172.102) : B1 – if the material has a flash point at above 38 C (100F) and below 93C (200F), 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.

IB3- authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); composite (31HZ1 AND 31H2, 21HB2,31HN2,31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110kPa at 50 C (1.1 bar at 122F), or 130kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672)

T2- 1.5 178.274(d)(2) Normal..... 178.275 (d)(3)

TP1 – the maximum degree of filling must not exceed the degree of filling determined by the following: degree filling = $97/1+a \cdot (tr-tf)$ Where : tr is the maximum bulk temperature during transport, and tf is the temperature in degrees celcius 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 informationa available.

Transportation of Dangerous Goods

Transport document description (TDG)	: UN1197 EXTRACTS, FLAVORING, LIQUID (Regulated for Bulk only), 3, III
UN- No. (TDG)	: UN1197
Proper shipping name (TDG)	: EXTRACTS, FLAVORING, LIQUID
TDG Primary Hazard Classes	: 3- class 3- Flammable liquids
Packaging group (TDG)	: III- Minor Danger
Explosive limit and limited quantity index	: 5 L
Passenger carrying road vehicle or passenger	: 60 L
Carrying Railway Vehicle Index	

Transport by sea

Transportation document description (IMDG)	: UN 1197 EXTRACTS, FLAVORING, LIQUID, 3, III
UN-No. (IMDG)	: 1197
Proper Shipping Name (IMDG)	: EXTRACTS, FLAVORING, LIQUID
Class (IMDG)	: 3- Flammable liquids
Packaging group (IMDG)	: III- substances presenting low danger.
Limited quantities (IMDG)	: 5L

Air transport

Transport document description	: UN 1197 Extracts, liquid, 3, III
UN-No. (IATA)	: 1197
Proper Shipping name (IATA)	: Extracts, liquids
Class (IATA)	: 3- Flammable Liquids
Packaging group (IATA)	: III- Low danger

SECTION 15: Regulatory information

15.1. US Federal regulations

TANGERINE OIL (8016-85-1)
Listed on the United States (TSCA) Toxic Substances Control Act) inventory

15.2 International regulations

CANADA

TANGERIE OIL (8016-85-1)
Listed on the Canadian DSL (Domestic Substances List)

EU- regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

WARNING: This product can expose you to myrcene, which is known in the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

SECTION 16: Other information

Revision date : 3/1/2023

Full text of H- phrases

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	

SDS US (HazCom 2012)- Lorann Oils

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.