



Health Hazard	2
Fire Hazard	2
Reactivity	0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product Identifier

PRODUCT NAME: PURE ORANGE OIL (ALL BRANDS & FOLDS)

MANUFACTURER: OliveNation
ADDRESS: 50 Terminal St, Charlestown, MA, 02129
PHONE: 781-351-1499

1.2 Relevant identified uses of the substance or moisture and uses advised against

Recommended Use Food and beverage flavoring

1.3 Details of the supplier of the safety data sheet

For further information, please contact

Email: csvs@olivenation.com

1.4 Emergency Telephone Number

Emergency Telephone: Chemtrec 1-800-424-9300 for US/ 703-527-3887 outside US

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Skin Corrosion/irritation	Category 2
Skin Sensitivity	Category 1
Aspirationtoxicity	Category 1
Flammable liquids	Category 3

Classification according to EU Directives 67/548 EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

Symbols

Danger
Causes skin irritation
May cause an allergic skin reaction
May be fatal if swallowed or enter airways
Flammable liquid and vapor

2.2 Label Elements

Signal Word



Warning
Flammable
Health Hazard

Revision #3
Revised By: Margaret Kobel

Issue Date 05/24/18

Supersedes Rev. #2
Approved By: Senior Management



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Hazard Statements

H402-Harmful to aquatic life

H226- Flammable liquid and vapor

Precautionary Statements

P370 + P378 – In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

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

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substances

Chemical Name	CAS-No	Weight %	Trade Secret
LIMONENE	5989-27-5	90-100%	*

SECTION 4: FIRST AID MEASURES

General advice

Immediate medical attention is required Show this material safety data sheet to the doctor in attendance. If symptoms persist, call a physician

Eye contact

If symptoms persist, call a physician Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes Keep eye wide open while rinsing

Skin contact

Wash off immediately with plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion

Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Inhalation

If symptoms persist, call a physician. Move to fresh air. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. Move to fresh air in case of accidental inhalation of vapors or decomposition products. Self-protection of the first aider Remove all sources of ignition Use personal protective equipment

4.2. Most important symptoms and effects, both acute and delayed

Skin irritation, burning
Hives

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically May cause sensitization in susceptible persons

Seek immediate medical attention if any of the above symptoms are present.

Note to physicians Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

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Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use alcohol-resistant foam or dry CO₂.

Extinguishing media which shall not be used for safety reasons

No information available

5.2 Special Hazards arising from the substance or mixture

Special Hazard

None

5.3 Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

See Section 12 for additional Ecological Information

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. 6.3. Methods and material for containment and cleaning up

6.3 Method and material for containment and clean up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

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

Derived No Effect level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

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8.2 Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye Protection	Tightly fitting safety goggles
Hand Protection	Protective gloves
Skin and Body Protection	Long sleeved clothing
Respiratory Protection	When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice

Environmental Exposure Controls No information available

SECTION 9: PHYSICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Odor	Orange
Property	
pH	No Information available
Melting/freezing point	No Information available
Boiling point/boiling range	No information available
Flash point(closed cup)	43°C
Evaporation rate	No information available
Flammability(solid/gas)	No information available
Flammability limits in air	
Upper flammability limit	No information available
Lower flammability limit	No information available
Vapor pressure mm Hg 20°C	No information available
Vapor density	No information available
Relative density	No information available
Specific gravity @ 25°C	0.8258 - 0.8558
Specific gravity @20°C	0.8288 - 0.8588
Refractive index	1.4690 - 1.4750
Water solubility	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	No information available
9.2 Other information	
VOC Content(%)	No information available
Molecular weight	No information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive.

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10.2 Chemical Stability

The product is stable under normal pressures and temperatures.

10.3 Possibility of Hazardous Reactions

No known hazardous reactions.

10.4 Conditions to Avoid

Heat, flames, and sparks

10.5 Incompatible Material

No materials to be especially mentioned

10.5 Hazardous Decomposition Products

None under normal use conditions

SECTION 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Inhalation There is no data available for this product
Eye contact There is no data available for this product
Skin contact There is no data available for this product
Ingestion There is no data available for this product

Acute toxicity

5% of the mixture consists of ingredient(s) of unknown toxicity
 The following values are calculated based on chapter 3.1 of the GHS document (Rev. 1, 2005):
 Oral 3,869.00 mg/kg
 Dermal 2,525.00 mg/kg

Inhalation No information available
Skin corrosion/irritation No information available
Eye damage/irritation No information available
Sensitization No information available
Germ Cell Mutagenicity No information available
Carcinogenicity No information available

Specific target organ systemic toxicity (single exposure) No information available
Specific target organ systemic toxicity (repeated exposure) No information available
Target Organ Effects No information available
Aspiration hazard No information available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

12.2 Persistence and Degradability

No information available

12.3 Bioaccumulative Potential

No information available

12.4 Mobility in Soil

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12.5 Results of PBT and vPvB

No information available

12.6 Other Adverse Effects

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Waste from residues/ unused products: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal

SECTION 14: TRANSPORT INFORMATION

This product is classified as non-hazardous to ship as it falls under exception HMR 173.150 for Class 3 Materials: Flammable Liquids.

DOT

Proper shipping Name	NATURAL OIL, FLAVORING, LIQUID
Class	3
UN/ID No	1193
Packing Group	III

ICAO/IATA

UN/ID No	1197
Proper Shipping Name	NATURAL OIL, FLAVORING, LIQUID
Class	3
Packing Group	III
ERG Code	128

SECTION 15: OTHER REGULATORY INFORMATION

Other regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

WHMIS (Canada): Class B-2: Flammable liquid with a flash point lower than 37.8 deg C (100 deg F)

DSCL (EEC):

R11Highly Flammable. **S2**-Keep out of reach of children

National Fire Protections Association (USA):

Health: 2
Flammability: 2
Reactivity: 0
Specific Hazard: None

Protective Equipment:

Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

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SECTION 16: OTHER INFORMATION

References: Not available

Other special Considerations: Not available

Created: 01/03/2015

Last updated: 05/24/2018

Revision Note: Not applicable.

Warning/Disclaimer: The ingredient(s) has not been tested, nor has it been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes or other similar devices (collectively "E-cigarettes"). In supplying this ingredient, OliveNation instructs and by receiving this ingredient recipient confirms, that this ingredient will not be used in connection with the manufacture and distribution of E-cigarettes or any component thereof.

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