

0060 – Orange Oil, Natural Safety Data Sheet

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

1.1. Product identifier

Product name : 0060 - Orange Oil, Natural
CAS Number : 8008-57-9

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

Use of the substance/mixture : Food industry: component

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 liquid 3 H226 Flammable liquid and vapor.
Aspiration hazard 1 H304 May be fatal if swallowed and enters airways.
Skin irritation 2 H315 Causes skin irritation.
Skin sensitization 1 H317 May cause an allergic skin reaction.
Environmental hazard A2 H401 Toxic to aquatic life
Environmental hazard C2 H411 Toxic to aquatic life with long-lasting effects

2.2. Label elements

GHS label elements: The substance is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H401 Toxic to aquatic life
H411 Toxic to aquatic life with long-lasting effects

Precautionary statements (GHS-US) : P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P273 Avoid release to the environment
P280 Wear protective gloves / protective clothing/eye protection / face protection.
P331 Do NOT induce vomiting.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients :

Chemical Characterization: Substances

CAS No. Description: 8028-48-6 Citrus aurantium dulcis oil 100%

Classification: AH1, EHA2, EHC2, FL3, SCI2, SS1

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures after inhalation | : Remove from exposure and move to fresh air immediately. Get medical assistance if cough or other symptoms appear. |
| First-aid measures after skin contact | : Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. |
| First-aid measures after eye contact | : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. |
| First-aid measures after ingestion | : Do not induce vomiting. Get medical aid if irritation of symptoms occurs. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : CO2, dry powder, or foam type extinguishers

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Special fire fighting procedures : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

Procedure : Remove any source of flame or sparks. If in a confined area NIOSH approved respiratory protection may be required. Remove individuals from the area if they do not have respiratory/dust protection. Spray material with water to prevent dusting and remove to an approved disposal container. Follow Federal, State and local procedures for cleaning up of powder. Dispose of in accordance with current laws and regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle according to good safety procedures, avoiding unnecessary exposure by wearing appropriate protective gear for the situation.

7.2. Conditions for safe storage, including any incompatibilities

Store in full closed containers in a cool dry area away from heat, light and sources of ignition.

SECTION 8: Exposure controls/personal protection

| | |
|---------------------------------------|--|
| Eyes | : Moderate to severe irritation |
| Skin | : May cause irritation |
| Respiratory | : Respiratory protection is normally not required in well ventilated areas. However, approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area. |
| OSHA permissible exposure limit (PEL) | : N/F |
| OSHA threshold limit value (TLV) | : N/F |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

| | |
|-----------------------------|--|
| Color | : Coloreless, yellow-orange to orange liquid |
| Odor | : Characteristic fresh, sweet orange odor |
| Refractive index | : 1.473 |
| pH | : Not available |
| Specific gravity | : .8427 |
| Melting point | : Undetermined |
| Freezing point | : No data available |
| Boiling point | : 348°F |
| Flash point | : 109 °F |
| Auto-ignition temperature | : Not determined |
| Decomposition temperature | : Not determined |
| Flammability (solid, gas) | : Not applicable |
| Vapor pressure | : Not determined |
| Vapor pressure(mmHg@ 20 °c) | : <2MM |
| Relative density | : Not determined |
| Density @ 20°C (68°F): | : Not determined |
| Solubility | : Insoluble |
| Viscosity, dynamic | : Not determined |

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Y

10.3. Substances to be avoided

Strong oxidizing agents, strong reducing agents

10.4. Hazardous decomposition products

Carbon monoxide, carbon dioxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------|-------|
| LD50(oral) | : N/A |
| LD50(dermal) | : N/A |
| Mutagenicity | : N/A |
| Carcinogenicity | : N/A |
| Reproductive toxicity | : N/A |

SECTION 12: Ecological information

| | |
|-------------------------------|-------|
| Acute aquatic toxicity | : N/A |
| Persistence and degradability | : N/A |
| Dioconcentration factor | : N/A |
| Mobility in soil | : N/A |
| Results of PbT and VPvB | : N/A |

SECTION 13: Disposal considerations

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State, and local storage

SECTION 14: Transport information

| | |
|-----------|-------------------|
| Tariff # | : 3301.12.90 |
| UN/NA ID# | : UN2319 |
| DOT | : Terpene hydroca |

Hazard class : 3
Packing group : III

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

- **GHS label elements:** The substance is classified and labelled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



- **Signal word:** Danger
- **Risk Phrases:**
 - R10 Flammable
 - R38 Irritating to skin
 - R43 May cause sensitisation by skin contact
 - R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 - R65 Harmful: may cause lung damage if swallowed
- **Safety phrases:**
 - S24 Avoid contact with skin
 - S37 Wear suitable gloves
 - S61 Avoid release to the environment. Refer to special instructions/safety data sheets
 - S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

SECTION 16: Other information

Other information : **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.