

## 0080 – Clove Leaf Oil

### Safety Data Sheet

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

Date of issue: 03/30/2021 Version: 4

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

##### 1.1. Product identifier

Product name : 0080 – Clove Leaf Oil  
CAS Number : 8000-34-8

##### 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

Asp. Tox 1 H304 May be fatal if swallowed and enters airways.  
ATO 5 H303 May be harmful if swallowed.  
Skin Irrit. 2 H315 Causes skin irritation.  
SCI 3 H316 Causes mild skin irritation.  
EH A2 H401 Toxic to aquatic life.  
Eye Irrit. 2A H319 Causes serious eye irritation.  
Skin Sens. 1 H317 May cause an allergic skin reaction.  
STOT SE 3 H335 May cause respiratory irritation.

##### 2.2. Label elements

##### GHS-US labeling

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

Hazard pictograms :



Signal word (GHS-US) : Danger

Hazard-determining components of labeling :

Hazard statements (GHS-US) :

Clove Leaf Oil  
Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
May cause respiratory irritation  
May be fatal if swallowed and enters the airway  
Precautionary statements (GHS-US) : Dispose of contents/container in accordance with local/regional/national/international regulations.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

## 2.3. Other hazards

NFPA ratings (scale 0-4)

Health = 2

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0-4)

Health = 2

Fire = 1

Reactivity = 0

Results of PBT and vPvB assessment

PBT: *Not applicable*

vPvB: *Not applicable*

## SECTION 3: Composition/information on ingredients :

**Chemical Characterization:** *Substances*

**CAS No. Description:** 8000-34-8 Clove Leaf Oil

Identification number(s)

EC number: 284-638-7

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**After Inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** If symptoms persist consult doctor.

**Information for doctor:**

Most important symptoms and effects, both acute and delayed: *No further relevant information available.*

Indication of any immediate medical attention and special treatment needed: *No further relevant information available.*

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Fight larger fires with water spray or alcohol resistant foam.

### 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3. Advice for firefighters

Protection during firefighting : No special measures required.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Not required

### 6.2. Environmental precautions

Do not allow to enter sewers/surface or ground water.

### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

### 6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : No special precautions are necessary if used correctly.  
Information about protection against explosions and fires : No special measures required.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage : Store/ship in a closed container in a dry place away from direct sunlight at 60-85 Deg. F.  
Store in tightly sealed container in a cool, dry place that is well ventilated. Away from heat, spark, and open flame.  
Keep container tightly sealed.  
Information about storage in one common storage facility : Not required.

### 7.3. Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems : No further data; see item 7.

### Control Parameters

Components with limit values that require monitoring at the workplace. : Not required.

Additional information : The lists that were valid during the creation were used as basis.

### Exposure Controls

Personal protective equipment :  
General protective and hygienic measures : Keep away from foodstuff, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with eyes.  
Avoid contact with the eyes and skin.

Hand protection : The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material : The exact break through time has to be found out by the manufacture of the protective gloves and has to be observed.

Material of the gloves : The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Breathing equipment : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Eye protection : Tightly sealed goggles

### 8.2. Exposure controls

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Color : Colorless to yellow  
Odor : Spicy, phenolic, sweet, clove spice  
Odor threshold : Not determined  
pH : Not determined

Relative evaporation rate (butyl acetate=1)	: Not determined
Melting point	: Not determined
Freezing point	: No data available
Boiling point	: Not determined
Flash point	: >199°F
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Not applicable
Vapor pressure	: Not determined
Vapor pressure at 20 °C	: No data available
Relative density	: Not determined
Density at 20 °C	: 1.04249 g/cm <sup>3</sup> (8.69958 lbs/gal)
Solubility	: Not miscible or difficult to mix
Organic solvents	: 0.0%
VOC content	: No data available
Viscosity, dynamic	: Not determined
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: No data available
Solids content	: No data available
Explosive limits	: Not determined

## 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Carcinogenic categories:

#### IARC (International Agency for Research on Cancer)

Substance is not listed.

#### NTP (National Toxicology Program)

Substance is not listed.

#### OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

Primary irritant effect:  
On the skin : No irritant effect  
On the eye : Irritating effect.  
Sensitization : Sensitization possible through skin contact.

## SECTION 12: Ecological information

### 12.1. Toxicity

Aquatic toxicity : No further relevant information available  
Persistence and degradability : No further relevant information available

### 12.2. Behavior in environmental systems

Bioaccumulative potential : No further relevant information available  
Mobility in soil : No further relevant information available

### 12.3. Additional Ecological Information

#### General notes:

Water hazard class 1 (Self-assessment):slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

#### Other adverse effects:

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Uncleaned packagings recommendation : Disposal must be made according to official regulations.

## SECTION 14: Transport information

UN-Number DOT, ADN, IMDG,IATA	<i>Not regulated</i>
UN <i>proper shipping name</i> DOT, ADN, IMDG, IATA	<i>Not regulated</i>
<i>Transport hazard class(es)</i> DOT, ADN, IMDG,IATA <i>Class</i>	<i>Not regulated</i>
<i>Packing Group</i> DOT, IMDG, IATA	<i>Not regulated</i>
<i>Environmental hazards:</i> <i>Marine pollutant:</i>	<i>No</i>
<i>Special precautions for user</i>	<i>Not applicable</i>
<i>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</i>	<i>Not applicable</i>
UN "Model Regulation"	<i>Not regulated</i>

## SECTION 15: Regulatory information

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

#### Sara

#### Section 355 (extremely hazardous substances):

Substance is not listed.

#### Section 313 (Specific toxic chemical listings):

Substance is not listed.

## TSCA (Toxic Substances Control Act) (Substances not listed):

Substance is listed.

## Proposition 65

### Chemicals known to cause cancer:

Substance is not listed.

### Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

### Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

### Chemicals known to cause developmental toxicity:

Substance is not listed.

## Carcinogenic categories

### EPA (Environmental Protection Agency)

Substance is not listed.

### TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

### NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

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

- **Hazard pictograms:**



- **Signal word:** Danger
  - **Hazard-determining components of labelling:** Clove Leaf Oil
  - **Hazard statements:**
    - Causes skin irritation
    - Causes serious eye irritation
    - May cause an allergic skin reaction
    - May cause respiratory irritation
    - May be fatal if swallowed and enters the airway
  - **Precautionary statements:**
    - Store in a well-ventilated place. Keep container tightly closed.
    - Store locked up.
    - Dispose of contents/container in accordance with local/regional/national/international regulations.
- Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 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.

- **Department issuing SDS:** Regulatory department.
- **Date of preparation / last revision:** 03/20/2021

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*ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*  
*IMDG: International Maritime Code for Dangerous Goods*  
*DOT: US Department of Transportation*  
*IATA: International Air Transport Association*  
*ACGIH: American Conference of Governmental Industrial Hygienists*  
*EINECS: European Inventory of Existing Commercial Chemical Substances*  
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*  
*NFPA: National Fire Protection Association (USA)*  
*HMIS: Hazardous Materials Identification System (USA)*  
*VOC: Volatile Organic Compounds (USA, EU)*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*NIOSH: National Institute for Occupational Safety*  
*OSHA: Occupational Safety & Health*  
*TLV: Threshold Limit Value*  
*PEL: Permissible Exposure Limit*  
*REL: Recommended Exposure Limit*  
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Irrit. 2A: Serious eye damage/eye irritation, Category 2A*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*STOT SE 3: Specific target organ toxicity – (Single exposure) - Category 3*  
*Asp. Tox. 1: Aspiration hazard – Category 1*