

2060 – Bergamot Oil, Natural

Safety Data Sheet

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

Date of issue: 01/30/2022 Version: 4

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

1.1. Product identifier

Product name : 2060 – Bergamot Oil, Natural
Registration number(s) : 68648-33-9 / 89957-91-5 / 92704-01-3

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

Use of the substance/mixture : Industry use

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

Classification

Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 2A
Skin sensitization : Category 1B
Reproductive toxicity : Category 2
Aspiration toxicity : Category 1
Flammable liquids : Category 3

Label Elements

Danger

Hazard statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May be fatal if swallowed and enters airways
Flammable liquid and vapor



Appearance: Clear

Physical state: Liquid

Odor: Characteristic odor

Precautionary Statements – Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. 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.

Precautionary Statements – Response

IF exposed or concerned: Get medical advice/attention. Specific treatment (see.? On this label).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

In case of fire: Use CO2, dry chemical, or foam to extinguish.

Precautionary Statements – Storage

Store locked up. Store in a well-ventilated place. Keep cool.

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) Other Information

- Harmful to aquatic life
 - Harmful to aquatic life with long lasting effects
- 96.3161 % of the mixture consists of ingredient(s) of unknown toxicity

SECTION 3: Composition/information on ingredients :

Chemical family : Essential oil
Synonyms : INCI: Citrus aurantium bergamia (Bergamot) fruit oil.

Chemical Name	CAS No.	Weight-%
Bergamot Oil – Bergapten Free	68648-33-9	100

SECTION 4: First aid measures

4.1. 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; get medical advice/attention.

Skin Contact : Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary.

Inhalation : Move to fresh air in case of accidental inhalation of vapors. 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. Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use CO2, dry chemical, or foam.

Unsuitable extinguishing media :

5.2. Special hazards arising from the chemical

FLAMMABLE. May be ignited by heat, sparks or flames. Keep product and empty container away from heat and sources of ignition.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

Explosion data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

5.3. Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and inhalation of vapors. Wear protective gloves/protective clothing and eye/face protection. Wash thoroughly after handling.

6.2. Environmental precautions

Environmental precautions : See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Do not breathe dust/fume/gas/mist/vapors/spray.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions : Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Protect from direct sunlight.

Incompatilbe materials : None known based on information supplied.

SECTION 8: Exposure controls/PPE

8.1. Control parameters

Exposure guidelines

8.2. Appropriate engineering controls

Engineering controls : Showers
Eyewash stations
Ventilation systems

8.3. Individual protection measures, such as personal protective equipment

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

Skin and body protection : Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection : 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. Ensure adequate ventilation, especially in confined areas.

General hygiene considerations : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Use personal protective equipment as required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Colorless to pale yellow
Odor : Characteristic odor
pH : N/A
Relative evaporation rate (butyl acetate=1) : N/A
Melting point : N/A
Boiling point : N/A

Flash point	: 133 °F
Auto-ignition temperature	: N/A
Vapor pressure (mmHg @20 °C)	: N/A
Specific gravity @ 25°C	: 0.865 – 0.880
Solubility in water	: Insoluble
Viscosity, dynamic	: N/A
Auto-ignition temperature	: N/A

9.2. Other information

Softening point	Not applicable
Molecular weight	Not applicable
VOC content (%)	Not applicable
Density	Not applicable
Bulk Density	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Heat, flames and sparks.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on likely routes of exposure

Inhalation	: Avoid breathing vapors or mists.
Eye contact	: Avoid contact with eyes. Causes serious eye irritation.
Skin contact	: Avoid contact with skin. Irritating to skin. May cause an allergic skin reaction.
Ingestion	: Potential for aspiration if swallowed.

11.2. Information on toxicological effects

Symptoms	: No information available
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11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	: Irritating to skin.
Serious eye damage/eye irritation	: Causes serious eye irritation.
Sensitization	: May cause sensitization by skin contact.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	: Product is or contains a chemical which is a known or suspected reproductive hazard. Gamma-Terpinene.
STOT – single exposure	: Not classified.
STOT – repeated exposure	: Not classified.
Aspiration hazard	: May be fatal if swallowed and enters airways.

11.4. Numerical measures of toxicity – Product Information

Unknown acute toxicity : 96.3161 % of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document.

SECTION 12: Ecological information

12.1. Ecotoxicity

Harmful to aquatic life with long lasting effects.

7.7777 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
d-Limonene 5989-27-5		96hr LC50 – 0.7mg/L (Pimephales promelas)		48hr EC50 – 0.4 mg/L (Daphnia magna)
Linalool 78-70-6	88.3: 96 h Desmodesmus Subspicatus mg/L EC50	96hr LC50 – 27.8mg/L (Salmo gairdneri)		48hr EC50 – 59mg/L (Daphnia magna)
alpha-Pinene 80-56-8		0.28: 96 h Pimephales promelas mg/L LC50 static		41: 48 h Daphnia magna Mg/L LC50
Citral 5392-40-5	19: 96 h Desmodesmus subspicatus mg/L EC50 16: 72 h Desmodesmus subspicatus mg/L EC50	96hr LC50 – 6.78 mg/L (Leuciscus idus)	EC50 = 2100 mg/L 30 min	48hr EC50 – 6.8 mg/L (Daphnia magna)
para-Cymene 99-87-6		96hr LC50 – 48 mg/L (Cyprinodon variegatus)		72hr ErC50 – 4.03 mg/L, NOErC – 1.4 mg/L (Scenedesmus capricornutum)
alpha-Terpineol 98-55-5		96hr LC50 – 62 to 80 mg/L (Danio rerio)		48hr EC50 – 73 mg/L (Daphnia magna)
Camphene 79-92-5	1000: 72 h Desmodesmus subspicatus mg/L EC50	96hr LC50 – 50 mg/L (Danio rerio)		48hr EC50/LC50 – 50 mg/L (Daphnia magna)
Terpinyl acetate 80-26-2		96hr LC50 - >11mg/L (Pimephales promelas)		48hr EC50 - >10 mg/L (Daphnia magna)
Isobornyl acetate 125-12-2		96hr LC50 – 10mg/L (Brachydanio rerio)		48hr EC50/LC50 – 3.07 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Disposal of wastes : Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated packaging : Do not reuse container.

SECTION 14: Transport information

DOT:

UN/ID#: 1169
Proper Shipping Name: *Extracts, Aromatics, Liquid*
Hazard class: 3
Packing group: III

IATA

UN/ID#: 1169
Proper Shipping Name: *Extracts, Aromatics, Liquid*
Hazard class: 3
Packing group: III

IMDG

UN/ID#: 1169
Proper Shipping Name: *Extracts, Aromatics, Liquid*
Hazard class: 3
Packing group: III
EmS-No: F-E, S-D

RID

UN/ID#: 1169
Proper Shipping Name: *Extracts, Aromatic, Liquid*
Hazard Class: 3
Packing group: III

ADR

UN/ID#: 1169
Proper Shipping Name: *Extracts, Aromatic, Liquid*
Hazard class: 3
Packing group: III
Classification code: B1, IB3
Tunnel restriction code: T2, TP1

SECTION 15: Regulatory information

15.1. US Federal Regulations

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	No
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 releases of this material.

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.