

0232 – Citrus Blossom Flavor, Natural

Safety Data Sheet

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

Date of issue: 06/24/2019 Version: 2

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

1.1. Product identifier

Product name : 0232 – Citrus Blossom Flavor, Natural
Product form : Mixture

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, Category 3
Skin Corrosion/Irritation, Category 2
Skin Sensitization, Category 1
Carcinogenicity, Category 2
Toxic to Reproduction, Category 2
Aspiration Toxicity, Category 1
Acute Toxicity: Inhalation, Category 4

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 vapour
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H332 Harmful if inhaled
H351 Suspected of causing cancer {state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard}
H361 Suspected of damaging fertility or the unborn child { }.
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
Precautionary statements (GHS-US) : P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from {heat/sparks/open flames/hot surfaces}. – No smoking.
P233 Keep container tightly closed.
P242 Use only non-sparking tools

Response Phrases (GHS-US)	<p>P243 Take precautionary measures against static discharge</p> <p>P261 Avoid breathing {dust/fume/gas/mist/vapors/spray}</p> <p>P264 Wash {hands} thoroughly after handling</p> <p>P271 Use only outdoors or in a well-ventilated area</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace</p> <p>P273 Avoid release to the environment</p> <p>P280 Wear {protective gloves/protective clothing/eye protection/face protection}</p> <p>: P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician</p> <p>P302+352 IF ON SKIN: Wash with plenty of soap and water</p> <p>P303+361+353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P308+313 IF exposed or concerned: Get medical attention/advice.</p> <p>P312: Call POISON CENTER or doctor/physician if you feel unwell.</p> <p>P321: Specific treatment {see ... on this label}.</p> <p>P331: Do NOT induce vomiting.</p> <p>P332+313: If skin irritation occurs, get medical advice/attention.</p> <p>P333+313: If skin irritation or rash occurs, seek medical advice/attention.</p> <p>P362+364: Take off contaminated clothing and wash it before reuse.</p> <p>P391: Collect spillage.</p>
Storage and disposal	<p>: P403+235: Store in cool/well-ventilated place.</p> <p>P405: Store locked up.</p> <p>P501: Dispose of contents/container to {...}.</p>
Inhalation	: MAY BE HARMFUL IF INHALED
Skin Contact	: MAY CAUSE SKIN IRRITATION
Eye Contact	: MAY CAUSE EYE IRRITATION
Ingestion	: MAY BE HARMFUL

SECTION 3: Composition/information on ingredients :

CAS#	Hazardous Components (Chemical Name)	Concentration
5989-54-8	(S)-1-Methyl-4-(1-methylethenyl)-cyclohexene	76.0-82.0%
100-51-6	Benzenemethanol	1.0-7.0%
7785-26-4	(1S)-(-)-.alpha.-Pinene	0.0-6.0%
123-35-3	1,6-Octadiene, 7-methyl-3-methylene-	<1.0%
115-95-7	Linalyl acetate	<0.2%
121-33-5	Benzaldehyde, 4-Hydroxy-3-methoxy-	1.0-3.0%
8008-57-9	Oils, orange, sweet	7.0-13.0%
8014-17-3	Oils, Petitgrain	<1.0%

SECTION 4: First aid measures

4.1. Description of first aid measures

Emergency and First Aid Procedures	:
In case of inhalation	: IF INHALED, REMOVE TO FRESH AIR.
In case of skin contact	: FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
In case of eye contact	: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
In case of ingestion	: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER.
Note to physician	: TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Flash point	: 90.00 F (closed cup)
Suitable extinguishing media	: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire fighting instructions : As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Flammable liquid and vapor.

5.2. Special hazards arising from the chemical

Flammable in the presence of a source of ignition when the temperature is above the flash point.

SECTION 6: Accidental release measures

Ensure adequate ventilation. Contain spillage, and then collect 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).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Keep away from sources of ignition – No smoking.
General hygiene consideration : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
5989-54-8	(S)-1-Methyl-4-(1-methylethenyl)-cyclohexene			
100-51-6	Benzenemethanol			
7785-26-4	(1S)-(-)-.alpha.-Pinene			
123-35-3	1,6-Octadiene, 7-methyl-3-methylene-			
115-95-7	Linalyl acetate			
121-33-5	Benzaldehyde, 4-Hydroxy-3-methoxy-			
8008-57-9	Oils, orange, sweet			
8014-17-3	Oils, Petitgrain			

Respiratory protection : A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Eye protection : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Protective gloves : Wear chemical-resistant gloves to prevent skin exposure.

Other protective clothing : Wear appropriate protective clothing to prevent skin exposure.

Engineering controls (Ventilation etc.) : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/hygienic/maintenance practices : Handle in accordance with good industrial hygiene and safety practice. Environmental prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Semi-transparent orange color

Odor : Characteristic aroma

pH : N/A

Evaporation rate : N/A

Freezing point : N/A

Boiling point : N/A

Flash point : 90 °F

Auto-ignition temperature : N/A

Vapor pressure : N/A

Refractive index : N/A

Specific gravity	: 0.8540
Solubility	: Insoluble in water
Viscosity	: N/A
Decompression temperature	: N/A

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

Will not occur

10.4. Conditions to avoid

Not found

10.5. Incompatible materials

Not found

10.6. Hazardous decomposition products

Not found

SECTION 11: Toxicological information

This mixture has not been subjected to toxicological testing but has been blended from materials with established toxicological bibliographies. In view of the difficulty of using current standard toxicological evaluation techniques to predict potential hazards to susceptible individuals or arising from unforeseeable potentiation, this preparation should be considered and handled as if displayed health hazards and consequently treated with all possible precaution.

Carcinogenicity

NTP	: No
IARC Monographs	: No
OSHA Regulated	: No

SECTION 12: Ecological information

This mixture as a whole has not been subjected to ecotoxicological testing. In view of the difficulty of using current standard ecotoxicological evaluation techniques to predict the impact of particular modes of release on vulnerable or localized parts of the ecosystem, this preparation should be considered and handled as if it displayed potential environmental hazards, and treated in consequence with all possible precaution.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This material, as supplied, is not a hazardous waste according to Federal Regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

SECTION 14: Transport information

Land Transport (US DOT):

Proper Shipping Name: Extracts, flavoring, liquids
Hazard Class: 3 Flammable liquid
UN#: 1197
Packing Group: III

Land Transport (Canadian TDG):

TDG Shipping Name: Extracts, Flavoring, Liquids

Land Transport (European ADR/RID):

ADR/RID Shipping Name: Extracts, Flavoring, Liquids
UN Number: 1197
Hazard Class: 3-Flammable liquid
Packing Group: III
ADR Classification: 3

Marine Transport (IMDG/IMO):

IMDG/IMO Shipping Name: Extracts, Flavoring, Liquids
UN Number: 1197
Hazard Class: 3-Flammable Liquid
Packing Group: III
IMDG Classification: 3
IMDG MFAG Number:

IMDG EMS Page:

Air Transport (ICAO/IATA):

ICAO/IATA Shipping Name: Extracts, Flavoring, Liquids
UN Number: 1197
Hazard Class: 3-Flammable liquid
Packing Group: III
IATA Classification: 3

SECTION 15: Regulatory information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS#	Hazardous Components (Chemical Name)	S.302 (EHS)	S. 304 RQ	S. 313 (TRI)
5989-54-8	(S)-1-Methyl-4-(1-methylethenyl)-cyclohexene	No	No	No
100-51-6	Benzenemethanol	No	No	No
7785-26-4	(1S)-(-)-.alpha.-Pinene	No	No	No
123-35-3	1,6-Octadiene, 7-methyl-3-methylene-	No	No	No
115-95-7	Linalyl acetate	No	No	No
121-33-5	Benzaldehyde, 4-Hydroxy-3-methoxy-	No	No	No
8008-57-9	Oils, orange, sweet	No	No	No
8014-17-3	Oils, Petitgrain	No	No	No

This material meets the EPA 'Hazard Categories' : Acute (immediate) Health Hazard: Yes
defined for SARA Title III Sections 311/312 as Chronic (delayed) Health Hazard: Yes
indicated Fire Hazard: Yes
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

CAS#	Hazardous Components (Chemical Name)	Other US EPA or State Lists
5989-54-8	(S)-1-Methyl-4-(1-methylethenyl)-cyclohexene	CA Prop. 65: No
100-51-6	Benzenemethanol	CA Prop. 65: No
7785-26-4	(1S)-(-)-.alpha.-Pinene	CA Prop. 65: No
123-35-3	1,6-Octadiene, 7-methyl-3-methylene-	CA Prop. 65: Yes: Canc.
115-95-7	Linalyl acetate	CA Prop. 65: No
121-33-5	Benzaldehyde, 4-Hydroxy-3-methoxy-	CA Prop. 65: No
8008-57-9	Oils, orange, sweet	CA Prop. 65: No
8014-17-3	Oils, Petitgrain	CA Prop. 65: No

CAS#	Hazardous Components (Chemical Name)	International Regulatory Lists
5989-54-8	(S)-1-Methyl-4-(1-methylethenyl)-cyclohexene	REACH: yes – (R), (P)
100-51-6	Benzenemethanol	REACH: yes – (R), (P)
7785-26-4	(1S)-(-)-.alpha.-Pinene	REACH: yes – (R), (P)
123-35-3	1,6-Octadiene, 7-methyl-3-methylene-	REACH: yes – (R), (P)
115-95-7	Linalyl acetate	REACH: yes – (R), (P)
121-33-5	Benzaldehyde, 4-Hydroxy-3-methoxy-	REACH: yes – (R), (P)
8008-57-9	Oils, orange, sweet	REACH: yes – (P)
8014-17-3	Oils, Petitgrain	REACH: yes – (P)

Regulatory Information

: This product contains the below-listed chemical(s) known to the State of California to cause cancer or reproductive toxicity:

Chemical Name: METHANOL, DI (2-ETHYLEXTHYL) PHTHALATE (DEHP, DI-N-BUTYLPHTHALATE (DBP), BENZO [A] PYRENE

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.