

0630 – Pistachio Type Flavor, Natural and Artificial

Safety Data Sheet

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

Date of issue: 04/10/2018 Version: 2

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

1.1. Product identifier

Product name : 0630 – Pistachio Type Flavor, Natural and Artificial
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



GHS07

Acute Tox. H302 Harmful If swallowed.
Flam. Liq. H227 Combustible liquid.

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 :



GHS07

Signal word (GHS-US) : Warning
Hazard-determining components of labelling : Benzaldehyde
Ethyl Vanillin
Hazard statements (GHS-US) : Combustible liquid.
Harmful if swallowed.
Precautionary statements (GHS-US) : Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves / protective clothing / eye protection / face protection.
Wash thoroughly after using this product.
Do not eat, drink or smoke when using this product.
If swallowed: Call a poison center/doctor if you feel unwell.
Rinse mouth.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

NFPA ratings (scale 0 – 4) : Health = 1
Fire = 2
Reactivity = 0

HMIS ratings (scale 0 – 4) : Health = 1
Fire = 2
Reactivity = 0

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: *Not applicable*

vPvB: *Not applicable*

SECTION 3: Composition/information on ingredients :

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions.

Dangerous Components:		
57-55-6	Propylene glycol	50-100%
100-52-7	Benzaldehyde Acute Tox. 4, H302 Flam. Liq. 4, H227	2.5-10%
121-32-4	Ethyl vanillin Acute Tox. 4, H302 Skin irrit. 2, H315 Eye irrit. 2A, H319 STOT SE 3, H335	2.5-10%
120-57-0	Heliotropine (Piperonal) Skin irrit. 2, H315	≥0.1-<2.5%

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information : Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 45 hours after the accident.

First-aid measures after inhalation : Supply fresh air; consult doctor in case of complaints.

First-aid measures after skin contact : Generally the product does not irritate the skin.

First-aid measures after eye contact : Rinse opened eye for several minutes under running water.

First-aid measures after ingestion : Immediately call a doctor.

Information for doctor

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

4.2. 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.

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

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Dilute with plenty of water.

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).

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 precaustins are necessary if used correctly.

Information about protection against explosions and fires : Keep ignition sources away – Do not smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles : Store in tightly sealed containers in a cool, dry place that is well ventilated. Away from heat, spark, and open flame.

Information about storage in one common storage facility : Not required.

Further information about storage conditions : Keep receptacle tightly sealed.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

Control paramaters

Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended eposure limit.

At this time, the other constituents have no known exposure limits.

57-55-6 Propylene glycol	
WEEL	Long-term value: 10 mg/m ³
100-52-7 Benzaldehyde	
WEEL	Short-term value: 4 ppm Long-term value: 2 ppm DSEN

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

8.2. Exposure controls

Personal protective equipment :

General protective and hygienic measures	: Wash hands before breaks and at the end of work.
Protection of hands	: 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 exact break through time has to be found out by the manufacture of the protective gloves and has to be observed.
Material of 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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material	: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Breathing equipment	: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
Eye protection	: Goggles recommended during refilling.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: According to product specification
Odor	: Characteristic
Odor threshold	: Not determined
pH	: Not determined
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Undetermined
Freezing point	: No data available
Boiling point	: Undetermined
Flash point	: 91 °C (195.8 °F)
Auto-ignition temperature	: Product is not selfigniting.
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Vapor pressure at 20°C (68°F)	: 0.1 hPa (0.1 mm Hg)
Relative density	: Not determined
Density at 20°C (68°F)	: 1.05088 g/cm ³ (8.76959 lbs/gal)
Solubility	: Fully miscible in water
Organic solvents	: 83.7%
VOC content	: 83.73% 879.9 g/l / 7.34 lb/gl
Viscosity, dynamic	: Not determined
Explosion limits	: Lower 2.6 Vol % Upper 12.6 Vol %
Oxidizing properties	: No data available
Solids content	: 8.1%

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

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.

10.7. Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Carcinogenic categories:

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Primary irritant effect on the skin	: No irritant effect
Primary irritant effect on the eye	: No irritating effect.
Sensitization	: No sensitizing effects known.
Additional toxicological information	: Harmful

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 2 (Self-assessment): Hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

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

Recommended cleansing agent : Water, if necessary with cleansing agents.

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):

None of the ingredients is listed

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act)

All ingredients are listed.

TSCA new (21st Century Act) (Substances not listed)

Proposition 65

Chemicals know to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

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

None of the ingredients is listed.

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

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning
- **Hazard-determining components of labelling:** BENZALDHYDE
ETHYL VANILLIN
- **Hazard statements:**
Combustible liquid.
Harmful if swallowed.
- **Precautionary statements:**
Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves / protective clothing / eye protection / face protection.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
If swallowed: Call a poison center/doctor if you feel unwell.
Rinse mouth.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in well-ventilated place. Keep Cool.
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.

- **Relevant phrases**
H227 Combustible liquid.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
- **Department issuing SDS:** Regulatory department
- **Date of preparation / last revision:** 04/10/2018
- **Abbreviations and acronyms:**

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 Confernece of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: Natinal 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
Flam. Liq. 4: Flammable liquids, Hazard Category 4
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3