

1 Identification

- **Product identifier**
- **Trade name:** Pink Guava Flavoring Oil
- **Other means of identification**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
TKB Trading
939 E 11th St
Oakland, CA 94606
www.tkbtrading.com
support@tkbtrading.com
- **Information department:** Regulatory Department

2 Hazard(s) identification

- **Classification of the substance or mixture**



Sensitization - skin 1 H317 May cause an allergic skin reaction.

Flammable liquids 4 H227 Combustible liquid.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**

LEMON OIL
ALDEHYDE C-16
Linalool
EXALTOLIDE
Citral

- **Hazard statements**

Combustible liquid.
May cause an allergic skin reaction.

- **Precautionary statements**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.

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If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
In case of fire: Use CO₂, powder or water spray to extinguish.
Store in a well-ventilated place.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Information pertaining to particular dangers for man and environment:

Classification system:

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Classification according to (d)(1)(ii) of § 1910.1200**

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

· **Hazards not otherwise classified**

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

8008-56-8	LEMON OIL ⚠ Flammable liquids 3, H226; ⚠ Aspiration hazard 1, H304; ⚠ Skin irritation 2, H315; Sensitization - skin 1, H317	>2.5-<10%
77-83-8	ALDEHYDE C-16 ⚠ Sensitization - skin 1, H317	>2.5-≤10%
6413-10-1	FRUCTONE Flammable liquids 4, H227	>2.5-≤10%
4940-11-8	ETHYL MALTOL ⚠ Acute toxicity - oral 3, H301	>2.5-≤10%
78-70-6	Linalool ⚠ Sensitization - skin 1B, H317; Flammable liquids 4, H227	>2.5-≤10%
106-32-1	ETHYL CAPRYLATE Flammable liquids 4, H227	>2.5-≤10%
121-33-5	VANILLIN ⚠ Acute toxicity - oral 4, H302; Eye irritation 2A, H319	≤2.5%

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105-54-4	ETHYL BUTYRATE ⚠ Flammable liquids 3, H226	≤2.5%
7452-79-1	ETHYL 2 METHYL BUTYRATE ⚠ Flammable liquids 3, H226	≤2.5%
123-92-2	AMYL ACETATE ⚠ Flammable liquids 3, H226	≤2.5%
123-25-1	DIETHYL SUCCINATE Flammable liquids 4, H227	≤2.5%
142-92-7	HEXYL ACETATE ⚠ Flammable liquids 3, H226	≤2.5%
141-97-9	ETHYL ACETOACETATE Flammable liquids 4, H227	≤2.5%
106-02-5	EXALTOLIDE ⚠ Sensitization - skin 1, H317	≥0.1-<1%
5392-40-5	Citral ⚠ Skin irritation 2, H315; Sensitization - skin 1, H317	≥0.1-<1%

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **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.
- **After swallowing:** If symptoms persist consult 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.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **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 section 13.
Ensure adequate ventilation.

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· Protective Action Criteria for Chemicals

· PAC-1:		
110-27-0	ISOPROPYL MYRISTATE	81 mg/m ³
123-92-2	AMYL ACETATE	100 ppm
123-25-1	DIETHYL SUCCINATE	3.6 ppm
141-97-9	ETHYL ACETOACETATE	12 mg/m ³
57-55-6	Propylene glycol	30 mg/m ³
· PAC-2:		
110-27-0	ISOPROPYL MYRISTATE	900 mg/m ³
123-92-2	AMYL ACETATE	500 ppm
123-25-1	DIETHYL SUCCINATE	40 ppm
141-97-9	ETHYL ACETOACETATE	130 mg/m ³
57-55-6	Propylene glycol	1,300 mg/m ³
· PAC-3:		
110-27-0	ISOPROPYL MYRISTATE	5,400 mg/m ³
123-92-2	AMYL ACETATE	3000* ppm
123-25-1	DIETHYL SUCCINATE	240 ppm
141-97-9	ETHYL ACETOACETATE	790 mg/m ³
57-55-6	Propylene glycol	7,900 mg/m ³

· 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.

7 Handling and storage

- Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about protection against explosions and fires:** No special measures required.
- Conditions for safe storage, including any incompatibilities**
- Storage:**
- Requirements to be met by storerooms and receptacles:**
Store in a 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:** None.
- Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- Control parameters**
- 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 exposure limit.
At this time, the other constituents have no known exposure limits.

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121-33-5 VANILLIN	
WEEL	Long-term value: 10 mg/m ³
123-92-2 AMYL ACETATE	
PEL	Long-term value: 525 mg/m ³ , 100 ppm
REL	Long-term value: 525 mg/m ³ , 100 ppm
TLV	Short-term value: 532 mg/m ³ , 100 ppm Long-term value: 266 mg/m ³ , 50 ppm
5392-40-5 Citral	
TLV	Long-term value: 32* mg/m ³ , 5* ppm Skin; DSEN; *inh. fraction + vapor, A4

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

· **Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

· **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.

Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**



Protective gloves

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

· **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 can not 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.

· **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Liquid

· **Color:**

Clear yellow to golden yellow

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **Melting point/Melting range:**

Undetermined.

· **Boiling point/Boiling range:**

36 °C (96.8 °F)

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- **Flammability:** Not applicable.
- **Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** 65 °C (149 °F)
- **Decomposition temperature:** Not determined.
- **pH-value:** Not determined.
- **Viscosity:**
- **Kinematic:** Not determined.
- **Dynamic:** Not determined.
- **Solubility in / Miscibility with**
- **Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Vapor pressure:** Not determined.
- **Vapor pressure:**
- **Density at 20 °C (68 °F):** 0.91316 g/cm³ (7.62032 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Particle characteristics** Not applicable.

- **Other information**
- **Appearance:**
- **Form:** Liquid
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Not determined.
- **Solvent content:**
- **Organic solvents:** 2.0 %
- **VOC content:** 2.02 %
- **Solids content:** 18.5 g/l / 0.15 lb/gal
- **Change in condition** 7.1 %
- **Evaporation rate** Not determined.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate)

Oral	LD50	2,940 mg/kg
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78-70-6 Linalool		
Oral	LD50	2,790 mg/kg (rat)
Dermal	LD50	5,610 mg/kg (rabbit)
121-33-5 VANILLIN		
Oral	LD50	1,580 mg/kg (rat)
105-54-4 ETHYL BUTYRATE		
Oral	LD50	13,000 mg/kg (rat)
123-92-2 AMYL ACETATE		
Oral	LD50	16,000 mg/kg (rat)
123-25-1 DIETHYL SUCCINATE		
Oral	LD50	8,530 mg/kg (rat)
142-92-7 HEXYL ACETATE		
Oral	LD50	42,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
141-97-9 ETHYL ACETOACETATE		
Oral	LD50	3,980 mg/kg (rat)
5392-40-5 Citral		
Oral	LD50	4,960 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Interactive effects** No interactive effects between components are known.
- **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.

- **Alternative sources for toxicological information**
No non-standard sources for toxicological information where used.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **Other adverse effects**
- **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.*

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
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.*

14 Transport information

· UN-Number	
· DOT, IMDG, IATA	<i>not regulated</i>
· UN proper shipping name	
· DOT, IMDG, IATA	<i>not regulated</i>
· Transport hazard class(es)	
· DOT, ADN, IMDG, IATA	
· Class	<i>not regulated</i>
· Packing group	
· DOT, IMDG, IATA	<i>not regulated</i>
· Environmental hazards:	<i>Not applicable.</i>
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	<i>Not applicable.</i>
· Special precautions for user	<i>Not applicable.</i>
· UN "Model Regulation":	<i>not regulated</i>

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 substances are active or exempt.*

· **Hazardous Air Pollutants**
None of the ingredients is listed.

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· **Proposition 65**

· **Chemicals known 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)**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of previous version** 09/08/2025

· **Date of preparation** 05/12/2026

· **Abbreviations and acronyms:**

- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- 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: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- 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
- Flammable liquids 3: Flammable liquids – Category 3
- Flammable liquids 4: Flammable liquids – Category 4
- Acute toxicity - oral 3: Acute toxicity – Category 3
- Acute toxicity - oral 4: Acute toxicity – Category 4
- Skin irritation 2: Skin corrosion/irritation – Category 2
- Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
- Sensitization - skin 1: Skin sensitisation – Category 1
- Sensitization - skin 1B: Skin sensitisation – Category 1B
- Aspiration hazard 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**