SAFETY DATA SHEET (SDS)

BANANA FRAGRANCE OIL

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Banana Fragrance Oil

Product form: Mixture

CAS-No.: MIXTURE

Supplier: Cosmetic Labs Canada

298 Wellington St W, Sault Ste. Marie, Ontario, Canada P6A 1H7

www.cosmeticlabscanada.com

After-hours support: 705-910-6300

1.1. Identification

Product form : Mixture

Product name : BANANA

CAS-No. : MIXTURE

1.2. Recommended use and restrictions on use

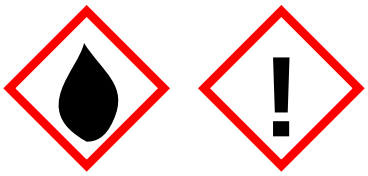
No additional information available

1.3. Supplier

1.4. Emergency telephone number

2. HAZARDS IDENTIFICATION

GHS hazard pictograms: GHS02 (Flame), GHS07 (Exclamation mark)



Signal word: WARNING

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 3 **H226 Flammable liquid and vapor.**

Acute toxicity (oral), Category 4 **H302 Harmful if swallowed.**

Serious eye damage/eye irritation, Category 2 H319 Causes serious eye irritation.

Skin sensitization, Category 1 **H317 May cause an allergic skin reaction.**

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

Signal word (GHS US) **: Warning**

Hazard statements (GHS US) **: H226 - Flammable liquid and vapor**

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing dust, fume, gas, mist, vapors, spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.
P302+P352 - If on skin: Wash with plenty of water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
BENZYL BENZOATE	(CAS-No.) 120-51-4	30 – 70	Acute Tox. 4 (Oral), H302
BENZYL ALCOHOL	(CAS-No.) 100-51-6	5 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2A, H319
ETHYL BUTYRATE	(CAS-No.) 105-54-4	1 – 5	Flam. Liq. 3, H226 Eye Irrit. 2A, H319
VANILLIN	(CAS-No.) 121-33-5	1 – 5	Eye Irrit. 2A, H319

1,3-benzodioxole-5-carbaldehyde	(CAS-No.) 120-57-0	1 – 5	Skin Sens. 1B, H317
ETHYL VANILLIN	(CAS-No.) 121-32-4	1 – 5	Eye Irrit. 2B, H320
MELONAL	(CAS-No.) 106-72-9	1 – 5	Flam. Liq. 4, H227 Skin Sens. 1B, H317
LABDANUM RESIN	(CAS-No.) 8016-26-0	< 0.5	Flam. Liq. 3, H226 Skin Sens. 1, H317
Methoxycarbonyloxycyclooct-4-ene	(CAS-No.) 87731-18-8	< 0.5	Skin Sens. 1, H317

Full text of hazard classes and H-statements : see section 16

4. FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor.

Explosion hazard : No direct explosion hazard.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Packaging materials : Always store product in container of same material as original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

VANILLIN (121-33-5)

Not applicable
Methoxycarbonyloxycyclooct-4-ene (87731-18-8)
Not applicable
MELONAL (106-72-9)
Not applicable
LABDANUM RESIN (8016-26-0)
Not applicable
BENZYL BENZOATE (120-51-4)
Not applicable
ETHYL BUTYRATE (105-54-4)
Not applicable
ETHYL VANILLIN (121-32-4)
Not applicable
1,3-benzodioxole-5-carbaldehyde (120-57-0)
Not applicable
BENZYL ALCOHOL (100-51-6)
Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Wear recommended personal protective equipment.
Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment
Personal protective equipment symbol(s):

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : No data available
Odor : No data available
Odor threshold : No data available
pH : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : ≈ 55 °C
Relative evaporation rate (butyl acetate=1) : No data available
Flammability : Not applicable.

Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
No data availableViscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

10. STABILITY AND REACTIVITY

10.1. Reactivity

Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity (oral) **: Harmful if swallowed.**

Acute toxicity (dermal) **: No data available**

Acute toxicity (inhalation) **: No data available**

ATE US (oral) 1905.049 mg/kg body weight

VANILLIN (121-33-5)

LD50 oral rat 3300 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))

LD50 dermal rat > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))

ATE US (oral) 3300 mg/kg body weight

ATE US (dermal) 2600 mg/kg body weight

Methoxycarbonyloxycyclooct-4-ene (87731-18-8)

ATE US (oral) 3300 mg/kg body weight

LABDANUM RESIN (8016-26-0)

LD50 oral rat 8980 mg/kg (Rat, Oral)
ATE US (oral) 8980 mg/kg body weight
BENZYL BENZOATE (120-51-4)
LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit > 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental value, Dermal)
ATE US (oral) 1160 mg/kg body weight
ETHYL VANILLIN (121-32-4)
LD50 oral rat > 3160 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE US (oral) 3000 mg/kg body weight
1,3-benzodioxole-5-carbaldehyde (120-57-0)
LD50 oral rat 2700 mg/kg (Rat, Oral)
LD50 dermal rat > 5000 mg/kg (Rat, Dermal)
ATE US (oral) 2700 mg/kg body weight
BENZYL ALCOHOL (100-51-6)
LD50 oral rat 1620 mg/kg bw/day (Rat, Male, Experimental value, Oral)
LD50 dermal rabbit > 2000 mg/kg (Rabbit, Inconclusive, insufficient data, Dermal)
LC50 Inhalation - Rat > 4.178 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value, Inhalation (aerosol))
ATE US (oral) 1620 mg/kg body weight
ATE US (dust, mist) 1.5 mg/l/4h
Skin corrosion/irritation : No data available
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : No data available
Carcinogenicity : No data available
Reproductive toxicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration hazard : No data available
Viscosity, kinematic : No data available
Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : May cause an allergic skin reaction.
Symptoms/effects after eye contact : Eye irritation.
Symptoms/effects after ingestion : Harmful if swallowed.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

VANILLIN (121-33-5)
LC50 - Fish [1] 57 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through

system, Fresh water, Experimental value)
EC50 - Crustacea [1] 36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae 120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
BENZYL BENZOATE (120-51-4)
LC50 - Fish [1] 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1] 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ETHYL VANILLIN (121-32-4)
LC50 - Fish [1] 87.6 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1] 36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)
ErC50 algae 120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)
BENZYL ALCOHOL (100-51-6)
LC50 - Fish [1] 460 mg/l (EPA OPP 72-1, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1] 230 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Fresh water, Experimental value, GLP)
ErC50 algae 770 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

VANILLIN (121-33-5)
Persistence and degradability Readily biodegradable in water.
LABDANUM RESIN (8016-26-0)
Persistence and degradability Biodegradability in water: no data available.
BENZYL BENZOATE (120-51-4)
Persistence and degradability Readily biodegradable in water.
ETHYL VANILLIN (121-32-4)
Persistence and degradability Readily biodegradable in water.
ThOD 1.81 g O■/g substance
BOD (% of ThOD) 0.529 (5 day(s), Literature study)
1,3-benzodioxole-5-carbaldehyde (120-57-0)
Persistence and degradability Biodegradable in the soil. Readily biodegradable in water.
ThOD 1.71 g O■/g substance
BENZYL ALCOHOL (100-51-6)
Persistence and degradability Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD) 1.6 g O■/g substance
Chemical oxygen demand (COD) 2.4 g O■/g substance
ThOD 2.5 g O■/g substance

12.3. Bioaccumulative potential

VANILLIN (121-33-5)
Partition coefficient n-octanol/water (Log Pow) 1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask

Method, 25 °C)
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).
LABDANUM RESIN (8016-26-0)
Bioaccumulative potential No bioaccumulation data available.
BENZYL BENZOATE (120-51-4)
BCF - Fish [1] 2.286 (BCFBAF v3.00, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow) 3.97 (Experimental value, 25 °C)
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).
ETHYL VANILLIN (121-32-4)
Partition coefficient n-octanol/water (Log Pow) 1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).
1,3-benzodioxole-5-carbaldehyde (120-57-0)
Partition coefficient n-octanol/water (Log Pow) 1.05
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).
BENZYL ALCOHOL (100-51-6)
Partition coefficient n-octanol/water (Log Pow) 1 – 1.1 (Experimental value, 20 °C)
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

VANILLIN (121-33-5)
Organic Carbon Normalized Adsorption Coefficient (Log Koc) 3.438 (log Koc, Experimental value)
Ecology - soil Low potential for mobility in soil.
BENZYL BENZOATE (120-51-4)
Surface tension 0.027 N/m (210 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc) 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil Low potential for mobility in soil.
ETHYL VANILLIN (121-32-4)
Organic Carbon Normalized Adsorption Coefficient (Log Koc) 3.092 (log Koc, Equivalent or similar to OECD 106, Experimental value)
Ecology - soil Low potential for mobility in soil.
BENZYL ALCOHOL (100-51-6)
Surface tension 39 mN/m (20 °C)
Ecology - soil No (test)data on mobility of the substance available.

12.5. Other adverse effects

No additional information available

13. DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Flammable vapors may accumulate in the container. Do not re-use empty containers.

14. TRANSPORT INFORMATION

Department of Transportation (DOT)
In accordance with DOT
Transport document description (DOT) : UN1197 EXTRACTS, LIQUID FOR FLAVOUR OR AROMA, 3, II
UN-No. (DOT) : UN1197
Proper Shipping Name (DOT) : EXTRACTS, LIQUID FOR FLAVOUR OR AROMA
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) : II - Medium Danger
Hazard labels (DOT) : 3 - Flammable liquid
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 242
DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net
capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons).
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).
DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L
DOT Vessel Stowage Location : B - (i) The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a
passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) ‘‘On deck only’’ on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number : 127
Other information : No supplementary information available.

15. REGULATORY INFORMATION

15.1. US Federal regulations

No additional information available

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified
in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of
1986 and 40 CFR Part 372.

16. OTHER INFORMATION

Full text of hazard classes and H-statements:

H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H332	Harmful if inhaled

Revision date: October 21, 2026

Disclaimer & Caution

Review the safety information and applicable regulations before handling or using this product. The information describes the material as supplied and may not apply when mixed with other materials or used in other processes. Users should assess suitability, protective measures and applicable requirements for their specific use.