

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

Product identifier

Product Name: Mango Flavoring Oil

Details of the Supplier of the Safety Data Sheet

TKB Trading

939 E 11th St

Oakland, CA 94606

www.tkbtrading.com

support@tkbtrading.com

Recommended use of the chemical and restrictions on use

Recommended use: Flavors For industrial use only

SECTION 2: Hazards identification

GHS Classification: Aquatic Acute 2 H401

Label Elements

Pictogram:

Signal word: No data available

Hazard Statements: H401-Toxic to aquatic life.

Precautionary statements: Toxic to aquatic life.



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SECTION 3: Composition/information on ingredients

Substance

Not applicable

Mixture

INCN	CAS No.	CONCENTRATION %min	CONCENTRATION %max
gamma-Decalactone	706-14-9	1	3

SECTION 4: First aid measures

- General advice:** When in doubt or if symptoms are observed, get medical advice.
- Inhalation:** Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.
- Skin contact:** Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.
- Eye contact:** In case of contact with eyes, flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart, and consult an ophthalmologist.
- Ingestion:** If accidentally swallowed, rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.
- Symptoms:** No known symptoms to date.
- Self-protection of the first aider:** Use personal protection recommended in Section 8.
- Note to physicians:** Treat symptomatically.

SECTION 5: Firefighting measures

- Suitable extinguishing media:** Foam;Carbon dioxide (CO2);Dry extinguishing powder;Sand
- Large Fire:** Alcohol resistant foam;Water spray
- Unsuitable extinguishing media:** Full water jet
- Special hazards arising from the substance or mixture:** In case of fire may be liberated;Carbon monoxide;Carbon dioxide (CO2);Burning produces heavy smoke;Do not inhale explosion and combustion gases.
- Specific extinguishing methods:** Use water spray jet to protect personnel and to cool endangered containers
- Special protective equipment for fire-fighters:** Wear a self-contained breathing apparatus and chemical protective clothing. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Remove all sources of ignition. Provide adequate ventilation as well as local exhaust at critical locations. See section 7 for more information.

For emergency responders: Use personal protection recommended in Section 8.

Environmental precautions:

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

Methods and material for containment and cleaning up:

Small spill: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Large spill: For large spills contain the material using barriers of absorbent pigs or similar.

Prevention of secondary hazards:

Remove all sources of ignition. Use only non-sparking tools.

SECTION 7: Handling and storage

Advice on safe handling:

Avoid contact with skin, eyes or clothing. Wear protective gloves and eye/face protection. See Section 8 for information on appropriate personal protective equipment. Remove all sources of ignition. Provide adequate ventilation as well as local exhaust at critical locations. Handle and open container with care.



Storage conditions:

Keep containers tightly closed in a cool, well-ventilated place. Store in a dry place. Protect from direct sunlight. Remove all sources of ignition. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

SECTION 8: Exposure controls/personal protection

Occupational exposure limits: None

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Respiratory protection: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Hand protection: Wear chemically resistant gloves (tested to EN 374) in combination with 'basic' employee training.

Skin and body protection: Wear appropriate personal protective clothing to prevent skin contact.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Odor: Light Yellow to Yellow Liquid

Refractive Index: Fruity

Specific gravity: 1.425-1.445 (n₂₀°C/D)

1.076-1.096(D₂₀°C/20°C)

SECTION 10: Stability and reactivity

<u>Reactivity:</u>	None under normal use conditions.
<u>Chemical stability:</u>	Stable under normal conditions. Stable under recommended storage conditions.
<u>Possibility of hazardous reactions:</u>	None under normal processing.
<u>Conditions to avoid:</u>	Extremes of temperature and direct sunlight.
<u>Incompatible materials:</u>	Strong oxidizing agents. Strong acids. Strong bases.
<u>Hazardous decomposition products:</u>	None under normal use conditions.

SECTION 11: Toxicological information

Acute toxicity:

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist) The

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

ATEmix (oral): 4,221.10 mg/kg 5,001.00

ATEmix (dermal): mg/kg

Skin corrosion/irritation: N/A

Serious eye damage/irritation: N/A

Respiratory or skin sensitization: N/A

Germ cell mutagenicity: N/A

Carcinogenicity: N/A

Reproductive toxicity: N/A

Specific target organ toxicity - Single exposure: N/A

Specific target organ toxicity - Repeated exposure: N/A

Aspiration hazard: N/A

SECTION 12: Ecological information

Ecotoxicity: N/A

Persistence and degradability: N/A

Bioaccumulative potential: N/A

Mobility in soil: Other N/A

adverse effects: N/A

SECTION 13: Disposal considerations

Waste from residues/unused products: Dispose of waste product or used containers according to local regulations

Contaminated packaging: Do not reuse container. Dispose of waste product or used containers according to local regulations.

SECTION 14: Transport information

Sea transport (IMDG)

UN/ID no: 3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one AND 1,3,4,6,7, 8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)

Hazard Class: 9

Packing group: Marine III

Pollutant: Yes

Special Provisions:	None
EmS No:	F-A S-F
<u>Road transport:</u>	
UN/ID no:	3082
Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one AND 1,3,4,6,7, 8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)
Hazard Class:	9
Packing group:	III
Environmental Hazard:	Yes
Special Provisions:	None

Air transport (ICAO-TI / IATA-DGR)

UN/ID no:	3082
Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one AND 1,3,4,6,7, 8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)
Hazard Class:	9
Packing group:	III
Environmental Hazard:	Yes
Special Provisions:	None

SECTION 15: Regulatory information

National Regulations:

GB/T 16483 Safety Data Sheet For Chemical Products Content and Order of Sections GB/T 17519 Guidance on the compilation of safety data sheet for chemical products

SECTION 16: Other information

Full text of H-Statements referred to under section 3

- H303 - May be harmful if swallowed
- H304 - May be fatal if swallowed and enters airways
- H313 - May be harmful in contact with skin
- H315 - Causes skin irritation
- H316 - Causes mild skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H320 - Causes eye irritation
- H400 - Very toxic to aquatic life
- H401 - Toxic to aquatic life
- H402 - Harmful to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H411 - Toxic to aquatic life with long lasting effects
- H412 - Harmful to aquatic life with long lasting effects

Key or legend to abbreviations and acronyms used in the safety data sheet

Hazard Class

Flam. Liq. Acute	Flammable Liquids
Tox. Skin Irrit.	Acute Toxicity
Eye Irrit. Muta.	Skin irritation
Carc.	Eye irritation
Skin Sens.	Germ cell mutagenicity
Aquatic Acute	Carcinogenic
Aquatic Chronic	Skin sensitization
Skin Corr.	Hazardous to the Aquatic Environment - Acute Hazard
Eye Dam.	Hazardous to the Aquatic Environment - Chronic Hazard Skin
Asp. Tox	corrosion
STOT SE	Eye Damage
STOT RE	Aspiration toxicity
Repr.	Specific target organ toxicity - Single exposure Specific target organ toxicity - Repeated exposure reproductive toxicant



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Key literature references and sources for data

IFRA-IOFI Labelling Manual 2023

RIFM/IOFI database

Supplier

Revision date: 2025-07-23

Reason for revision Not applicable.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, -transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material is or in any process, unless specified in the text. Where the handling, storage and disposal of this material is beyond the immediate control of TKB Trading, it shall be the user's responsibility to determine safe conditions for use of this product. The user assumes all liability for loss, injury, damage or expense resulting from the improper use of this product.

End of Safety Data Sheet