Safety Data Sheet — Coconut Flavoring Oil

Revision Date: 08-Nov-2026 **Revision No.:** 1

Transport Symbol	GHS / WHMIS	NFPA	Personal Protective Equipment
Not controlled	 GHS07		 Goggles · Gloves · Respirator

SECTION 1: Identification

Product Name: Coconut Flavoring Oil

Synonyms: Coconut caramel type flavor, natural & artificial

Intended Use: Flavor.

Restrictions on Use: Not for direct consumption in concentrated form. Not recommended for lip, skin or cosmetic products (contains benzodihydropyrone; see Section 15).

Supplier: TKB Trading, LLC | 939 E 11th St, Oakland, CA 94606

Email: support@tkbtrading.com

Website: www.tkbtrading.com

Emergency Number: TKB Trading: 510-451-9011 (business hours) | Poison Control (US): 1-800-222-1222 (24/7)

Standard: OSHA HazCom 29 CFR 1910.1200 (HazCom 2024) / GHS Rev 7

SECTION 2: Hazards Identification

GHS Classification: Serious Eye Irritation — Category 2A; Skin Sensitization — Category 1.

Hazard Pictograms: GHS07 (exclamation mark).



Signal Word: **WARNING**

Hazard Statements:

H317 — May cause an allergic skin reaction.
H319 — Causes serious eye irritation.

Precautionary Statements:

Prevention: P261 Avoid breathing mist/vapors/spray. P264 Wash hands thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/eye protection/face protection.

Response: P302+P352 IF ON SKIN: Wash with plenty of water. 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 Section 4). P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.

Storage: None required. Store in a cool, dry, well-ventilated place in a tightly closed container.

Disposal: P501 Dispose of contents/container in accordance with local, state and federal regulations.

Hazard-Determining Components: Benzyl alcohol; benzodihydropyrone (dihydrocoumarin); heliotropine (piperonal); vanillin.

Hazards Not Otherwise Classified (HNOC): None known.

Other Hazards: Eye Irritation Category 2A is assigned by the additivity method (benzyl alcohol + vanillin, each Eye Irrit. 2A, combined up to ~20%). High flash point (> 93 °C); not classified as a flammable or combustible liquid, but may burn if strongly heated. Not a PBT or vPvB.

SECTION 3: Composition / Ingredients

Substance / Mixture: Mixture (flavoring preparation).

Ingredient	CAS No.	Weight %	GHS-US Classification (pure substance)
Benzyl alcohol	100-51-6	>2.5 – <10	Acute Tox. 4 oral (H302); Acute Tox. 4 dermal (H312); Eye Irrit. 2A (H319); Skin Sens. 1B (H317)
Vanillin	121-33-5	>2.5 – <10	Acute Tox. 4 oral (H302); Eye Irrit. 2A (H319)
Ethyl vanillin	121-32-4	≤2.5	Acute Tox. 4 oral (H302)
Benzodihydropyrone (dihydrocoumarin)	119-84-6	≥0.1 – <1	Acute Tox. 4 oral (H302); Skin Sens. 1 (H317)
Heliotropine (piperonal)	120-57-0	≥0.1 – <1	Skin Sens. 1 (H317)
Other flavor ingredients and carrier	Proprietary	Balance	Not classified

Benzaldehyde (100-52-7) and caproic acid (142-62-1) may be present below the reporting threshold. Exact percentages are withheld as a trade secret in accordance with 29 CFR 1910.1200(i).

SECTION 4: First Aid Measures

General: Immediately remove any clothing soiled by the product. Show this safety data sheet to the attending physician.

Inhalation: Move to fresh air and keep at rest. Get medical attention if symptoms develop. If unconscious, place in the recovery position and get medical attention.

Skin Contact: Immediately wash with soap and plenty of water and rinse thoroughly. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact: Rinse opened eye immediately under running water for at least 15 minutes. Remove contact lenses, if present and easy to do; continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Get medical advice if you feel unwell or if a large amount of concentrate is swallowed.

Symptoms: Skin: allergic skin reaction (redness, rash, itching) in sensitized persons after repeated contact. Eyes: irritation, redness, tearing.

Medical Attention: Treat symptomatically.

SECTION 5: Firefighting Measures

Suitable Media: Carbon dioxide (CO_2), dry chemical powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

Unsuitable Media: Full (solid) water jet — may spread burning liquid.

Special Hazards: Not flammable under normal conditions (flash point > 93 °C) but may burn if strongly heated. Combustion may produce carbon monoxide and carbon dioxide.

Firefighter PPE: Wear self-contained breathing apparatus (SCBA) and protective clothing.

SECTION 6: Accidental Release Measures

Personal Precautions: Avoid contact with skin and eyes. Wear protective gloves and eye protection (see Section 8). Ensure adequate ventilation. Spilled product may make floors slippery.

Environmental: Do not allow to enter sewers, surface water or ground water.

Containment and Cleanup: Absorb with liquid-binding material (sand, diatomite, universal binder, sawdust). Place in a suitable closed container and dispose of according to Section 13.

Protective Action Criteria (PAC)	PAC-1	PAC-2	PAC-3
Benzyl alcohol (100-51-6)	30 ppm	52 ppm	740 ppm
Benzaldehyde (100-52-7)	4 ppm	43 mg/m³	260 mg/m³
Caproic acid (142-62-1)	2.2 mg/m³	24 mg/m³	140 mg/m³

SECTION 7: Handling and Storage

Safe Handling: Avoid contact with skin and eyes; wear protective gloves and goggles. Ensure good ventilation/exhaust at the workplace and prevent formation of aerosols. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash hands after handling.

Storage: Store in tightly sealed containers in a cool, dry, well-ventilated place, away from heat, sparks and open flame. Keep away from foodstuffs, beverages and feed.

Incompatible Materials: Strong oxidizing agents.

SECTION 8: Exposure Controls / Personal Protection

Component (CAS No.)	OSHA PEL (TWA)	ACGIH TLV (TWA)	Other
Benzyl alcohol (100-51-6)	Not established	Not established	WEEL (OARS): 10 ppm TWA
Vanillin (121-33-5)	Not established	Not established	WEEL (OARS): 10 mg/m³ TWA
Other components	Not established	Not established	Not established

Engineering Controls: Ensure good general ventilation; use local exhaust where mists may be generated.

Eye Protection: Safety glasses with side shields; goggles recommended during refilling or where splashing is possible.

Hand and Skin Protection: Impervious, chemical-resistant gloves (e.g., nitrile). Check glove breakthrough time before use.

Respiratory: Not normally required with adequate ventilation. For brief exposure use a respirator with organic vapor cartridge; for intensive or prolonged exposure use a supplied-air respirator, as part of a program meeting 29 CFR 1910.134.

Hygiene Measures: Avoid contact with eyes and skin. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

SECTION 9: Physical and Chemical Properties

Physical State / Appearance: Liquid; color according to product specification

Odor: Characteristic (coconut, caramel)

Odor Threshold: Not available

pH: Not available

Melting / Freezing Point: Not available

Boiling Point / Range: 205.4 °C (401.7 °F) (benzyl alcohol component value)

Flash Point: > 93.3 °C (> 199.9 °F)

Flammability: Not flammable (flash point > 93 °C)

Explosion Limits (Lower / Upper): Not available

Autoignition Temperature: 435 °C (815 °F)

Explosive Properties: Product does not present an explosion hazard

Vapor Pressure: Not available

Vapor Density: Not available

Density: 0.941 g/cm³ at 20 °C (7.85 lb/gal)

Solubility in Water: Not miscible or difficult to mix

Partition Coefficient (n-octanol/water): Not available

Decomposition Temperature: Not available

Viscosity: Not available

VOC Content: 7.0% (65.9 g/L; 0.55 lb/gal); organic solvents 7.0%; solids content 5.7%

SECTION 10: Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable; no decomposition if used according to specifications.

Hazardous Reactions: No dangerous reactions known.

Conditions to Avoid: Heat, sparks, open flames and direct sunlight.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: None under normal use. In case of fire: carbon monoxide and carbon dioxide.

SECTION 11: Toxicological Information

Likely Routes of Exposure: Skin contact, eye contact, ingestion, inhalation.

Acute Toxicity: Not classified. ATEmix: oral LD50 11,431 mg/kg; dermal LD50 28,572 mg/kg. Benzyl alcohol — oral LD50 1,230 mg/kg (rat), dermal LD50 2,000 mg/kg (rabbit). Vanillin — oral LD50 1,580 mg/kg (rat). Ethyl vanillin — oral LD50 1,590 mg/kg (rat). Benzodihydropyrone — oral LD50 1,460 mg/kg (rat), dermal LD50 > 5,000 mg/kg (rabbit). Heliotropine — oral LD50 2,700 mg/kg (rat).

Skin Corrosion/Irritation: Not classified.

Serious Eye Damage/Irritation: Category 2A — causes serious eye irritation (benzyl alcohol and vanillin, additivity method).

Respiratory or Skin Sensitization: Skin Sensitization Category 1 — may cause an allergic skin reaction (benzyl alcohol, benzodihydropyrone, heliotropine). Respiratory: not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified. None of the ingredients is listed by IARC, NTP or OSHA.

Reproductive Toxicity: Not classified.

STOT — Single / Repeated Exposure: Not classified.

Aspiration Hazard: Not classified.

SECTION 12: Ecological Information

Ecotoxicity: No data available for the product. Not classified as hazardous to the aquatic environment under OSHA HazCom.

Persistence/Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: Not a PBT or vPvB. Do not allow product to reach ground water, watercourses or sewage systems.

SECTION 13: Disposal Considerations

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations. Do not discharge to drains or sewers.

Contaminated Packaging: Dispose of according to official regulations.

SECTION 14: Transport Information

UN Number: Not regulated (DOT / IMDG / IATA).

UN Proper Shipping Name: Not regulated.

Transport Hazard Class: Not regulated.

Packing Group: Not regulated.

Environmental Hazards: Not applicable. Not a marine pollutant.

SECTION 15: Regulatory Information

US Federal Regulations: Hazardous under OSHA HazCom 2024 (29 CFR 1910.1200). TSCA: all substances are active or exempt. SARA 302/355 (extremely hazardous substances): none listed. SARA 311/312 hazard categories: Serious eye damage or eye irritation; Respiratory or skin sensitization. SARA 313: none listed. Hazardous Air Pollutants: none listed. EPA and NIOSH carcinogen lists: none listed.

US State Regulations: California Proposition 65: none of the ingredients is listed as known to cause cancer or reproductive/developmental toxicity.

Other Regulations: Intended for flavor use. Contains benzodihydropyrone (dihydrocoumarin), which is prohibited as a fragrance ingredient under IFRA standards, and benzyl alcohol and heliotropine, which are IFRA-restricted; benzyl alcohol is a declarable fragrance allergen. Not recommended for lip, skin or cosmetic products unless compliance with applicable regulations and IFRA standards is confirmed.

SECTION 16: Other Information

Indication of Changes: Issued in 16-section GHS format aligned to OSHA HazCom 2024 / GHS Rev 7.

Revision No. / Date: 1 / 08-Nov-2026

NFPA Rating: Health: 1 | Flammability: 1 | Instability: 0

HMIS Rating: Health: 1 | Flammability: 1 | Physical Hazard: 0

This data is based on information believed to be reliable. No warranty, express or implied, is made regarding the accuracy or results obtained from the use of such information. It is the end-user's responsibility to assure compliance with all local, federal, and global regulations regarding the storage, use, and disposal of this product. For additional details, please contact TKB Trading.