

Safety Data Sheet

according to the Globally Harmonised System



Version: 2.0.0

Preparation Date: 28 September 2021

Revision Date: 28 September 2026

1. IDENTIFICATION OF SUBSTANCE

GHS Product Identifier	
Other Identifiers	Baileys Kahlua
Recommended Use +/- Restrictions	Fragrance compound, to be used according to IFRA guidelines, for manufacturing purposes only
Supplier Details	ZEN AROMA 22c Portside Drive Mt Maunganui, 3116 New Zealand
Telephone	+64 7 578 4755
Email	support@zenaroma.co.nz

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification as per **Work Health & Safety Regulations (WHS) Australia (2021)**, **IFRA & IOFI Labelling Manual 2020 : Chemicals**, **UN GHS & Transport classifications**, **GHS revision 7 (2017)** and in some cases also information provided by raw material suppliers.

Class and Category of Hazards	Flammable liquids, Category 4 Acute toxicity, Category 5 Serious eye damage/eye irritation, Category 2A Skin sensitisation, Category 1 Short-term (acute) aquatic hazard, Category 2 Long-term (chronic) aquatic hazard, Category 3
Label Elements	
Signal Word	"Warning"
Hazard Statements	H227 Combustible liquid. H303 May be harmful if swallowed. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H401 Toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.


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Precautionary Statements	Prevention P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. Response P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. 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. 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. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storage P403 Store in a well ventilated place. Disposal P501 Dispose of contents/ container to an approved waste disposal plant.
	 GHS07
Other Hazards	No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a proprietary Mixture containing the following hazardous ingredients present above their GHS cut-off values/concentration limits, in descending order of content:

Chemical Name	CAS No.	Conc %
benzyl benzoate	120-51-4	≥ 10 - < 20
3-Ethoxy-4-Hydroxybenzaldehyde (= ethyl vanillin)	121-32-4	≥ 5 - < 10

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3-methoxy-4-hydroxy-benzaldehyde (= Vanillin)	121-33-5	≥ 5 - < 10
1,3-Benzodioxole-5-carboxaldehyde (= piperonal)	120-57-0	≥ 2.5 - < 5
4-methoxybenzaldehyde	123-11-5	≥ 1 - < 2.5
Mandarin orange, extract	8008-31-9	≥ 0.1 - < 0.25

4. FIRST AID MEASURES

Inhalation	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
Skin Contact	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
Eye Contact	Remove contact lenses. Immediately flush eyes for at least 15 minutes. Get medical attention.
Ingestion	Induce vomiting immediately and call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.
Most Important Symptoms and Effects, both Acute and Delayed	Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child.
Indication of Immediate Medical Attention and Special Treatment Needed	In case of accident or if you feel unwell, seek medical advice immediately and show this document. See above first aid measures for further information.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific Hazards arising from the Substance or Mixture	In case of fire, may be liberated: Carbon Monoxide, Unidentified Organic Compounds. Do not allow run off from fire-fighting to enter drains or water courses.
Special Protective Actions for Fire-Fighters	In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment & Emergency Procedures	Avoid inhalation, contact with skin or eyes. See Section 8 for protective measures.
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Environmental Precautions	Keep away from drains, surface and ground water, and soil
Methods & Material for Containment & Cleaning Up	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert power, or wipe up with absorbent material (e.g. cloth). Keep in suitable closed containers for disposal. Dispose off according to local regulations.

7. HANDLING & STORAGE

Precautions for Safe Handling	Keep away from heat, sparks, open flames and hot surfaces - No Smoking. Use in areas with adequate ventilation. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Wash hands after use. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment, and wash hands before eating. Dispose off rinse water in accordance with local and national regulations.
Conditions for Safe Storage including any Incompatibilities	Store in tightly closed containers, in a cool, dry, well-ventilated place away from sources of heat, sparks, open flames and hot surfaces. Take precautionary measures against static discharge. Use in explosion-proof electrical, ventilation and lighting equipment. Use only non-sparking tools.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters	
Exposure Control Measures	TWA ppm TWA mg/m3 STEL ppm STEL mg/m3 Use in accordance with general industrial hygiene practice. Also, see Individual Protection Methods below for further information.
Biological Monitoring	No specific measures.
Control Banding	No specific measures.
Engineering Controls	Use only in well-ventilated, designated areas.
Individual Protection Measures	
Eye & Face Protection	Wear protective glasses/face protection.

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Skin Protection	Wear protective gloves (and body suit if situation requires).
Respiratory Protection	No personal respiratory protective equipment is normally required. However under conditions of high or prolonged use, or in areas of inadequate ventilation, high temperature or other conditions which increase exposure to personnel: a. Increase ventilation of the area with local exhaust ventilation. b. Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c. Use closed systems for transferring and processing this material.
Thermal Protection	No specific measures.

9. PHYSICAL & CHEMICAL PROPERTIES

Basic Physical & Chemical Properties	
Appearance	Refer to specification document. May exhibit colour change in time.
Odour	Food-like
PH	Not Determined
Melting Point/Freezing Point	Not Determined
Initial Boiling Point & Boiling Range	Not Determined
Flashpoint (closed-cup degree C)	87°C
Evaporation Rate	Not Determined
Flammability	Not Applicable
Upper/Lower Flammability/Explosive Limits	Not Determined
Vapour Pressure	2.0996 hPa at 20°C Calculated (99.9 %)
Vapour Density	975.24 kg/m ³ at 20 °C
Relative Density @ 25 degree C	Refer to specification document.
Solubility in Water	Not Determined
Partition Coefficient	Not Applicable
Auto-ignition Temperature	Not Determined

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Decomposition Temperature	Not Applicable
Viscosity	Not Determined
Other Information	None Available

10. STABILITY & REACTIVITY

Reactivity	Presents no specific reactivity hazards, by itself or in contact with water.
Chemical Stability	Good stability under normal storage conditions. See Section 7 for storage conditions.
Possibility of Hazardous Reactions	Not expected under normal conditions of use. See Section 7 for safe handling conditions.
Conditions to Avoid	Avoid extreme heat. Heat, flames and sparks.
Incompatible Materials	Avoid contact with strong acids, alkalis or oxidising agents.
Hazardous Decomposition Products	Not expected.

11. TOXICOLOGICAL INFORMATION

This product is a Mixture and has not been tested as a whole for health effects. The toxicological health effects shown below are taken from the GHS classification criteria for the Mixtures overall hazardous class(es) and categor(ies) as listed in Section 2.

Acute Toxicity	No toxicological health effects. This mixture does not meet the GHS classification criteria for these health effects.
Skin Corrosion/Irritation	May cause skin irritation and/or dermatitis.
Serious Eye Damage/Irritation	Vapours may cause irritation to the eyes, respiratory system and the skin.
Respiratory or Skin Sensitisation	No toxicological health effects. This mixture does not meet the GHS classification criteria for these health effects.
Germ Cell Mutagenicity	No toxicological health effects. This mixture does not meet the GHS classification criteria for these health effects.
Carcinogenicity	No toxicological health effects. This mixture does not meet the GHS classification criteria for these health effects.
Reproductive Toxicity	No toxicological health effects. This mixture does not meet the GHS classification criteria for these health effects.

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Specific Target Organ Toxicity (STOT) - Single Exposure	No toxicological health effects. This mixture does not meet the GHS classification criteria for these health effects.
Specific Target Organ Toxicity (STOT) - Repeated Exposure	No toxicological health effects. This mixture does not meet the GHS classification criteria for these health effects.
Aspiration Hazard	No toxicological health effects. This mixture does not meet the GHS classification criteria for these health effects.
Other Information	No information available.

12. ECOLOGICAL INFORMATION

This product is a Mixture and has not been tested as a whole for ecological effects. The ecological effects shown below are taken from the GHS classification criteria for the Mixtures overall hazardous class(es) and categor(ies) as listed in Section 2. The ecological effects shown below result from the ADG classification of the Mixture.

Ecotoxicity	No ecological health effects. This Mixture does not meet the classification criteria for these effects.
Short-Term Acute	No information available.
Long-Term Chronic	No information available.
Persistence & Degradability	No information available.
Bioaccumulative Potential	No information available.
Mobility in Soil	No information available.
Other Adverse Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

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13. DISPOSAL CONSIDERATIONS

Disposal Methods	<p>Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Refer to Section 8 for Personal Protection measures when handling.</p> <p>Product: Offer surplus and non-recyclable solutions to a licensed disposal company.</p> <p>Container: Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.</p>
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14. TRANSPORT INFORMATION

UN Number	Not regulated as a dangerous good
Proper Shipping Name	Not regulated as a dangerous good
Transport Hazard	Not regulated as a dangerous good
Packing Group	Not regulated as a dangerous good
Environmental Hazards for Transport Purposes	Not an Environmentally Hazardous Substance
Special Precautions for User	None additional
Additional Information	None additional
Hazchem Emergency Action Code	Not regulated as a dangerous good

15. REGULATORY INFORMATION

Safety, Health & Environmental Regulations	
Ingredient Declaration	Proprietary Mixture
Legislative Status	Fragrance, Synthetic
INCI Name	Fragrance / Parfum

All materials and procedures used in the manufacture of the Mixture comply with the 49th amendment of the International Fragrance Association (IFRA) and the requirements set by the Research Institute of Fragrance Materials (RIFM).

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16. OTHER INFORMATION

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This SDS will be revised on the date shown above, or any time before that date as deemed necessary due to changes in regulations, additional information received or updated product specifications/details.

The information in this Safety Data Sheet was obtained from current and reputable sources and is correct to the best of our knowledge, information and belief at the date of its preparation. However, the data is provided without any warranty, express or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

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 materials or in any process, unless specified in the text.

Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe handling, storage and transportation. This information, including CAS numbers, is not meant to be used for registration, notification or any other purposes. Any additional information and documentation needed may be provided by Zen Aroma.

Regulatory Compliance & Product Safety, Fragrance & Beauty

This certificate is generated by calculation based on data for ingredients.

The data in this document has been prepared by Zen Aroma in accordance with Mombati's internal protocols and procedures in order to evaluate characteristics and/or performance. Information provided in this document is based on intentional addition of a substance or analytical assessment for presence of regulatory controlled chemical targets where applicable. Trace constituents or contaminants from a raw material manufacturing process are provided where there is a regulatory requirement to declare information. The information contained herein is, to the best of Mombati's knowledge, true and accurate at the time it is given. It is provided to Customer for its information and internal use only. Zen Aroma is not liable for any damages that may result from the misuse of the data. It is Customer's responsibility to perform its own evaluations on the material evaluated herein, including with respect to end-use applications. Any Customer product, marketing or other claims are Customer's sole responsibility.