

Material Safety Data Sheet (MSDS)

Product Name: Pineapple Flavour Liquid

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Supplier:

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1. Identification of the Substance and Company

Product Name: Pineapple Flavour Liquid

Product Type: Food Flavouring Preparation (Liquid)

Recommended Use:

Flavoring agent for food products, beverages, pharmaceutical syrups, nutraceutical formulations, confectionery, dairy products, bakery products, and dietary supplements.

2. Hazard Identification

GHS Classification: Under normal conditions of use, Pineapple Flavour Liquid is not classified as hazardous according to the Globally Harmonized System (GHS). Depending on the formulation, slight irritation to the eyes or skin may occur after prolonged exposure.

Potential Health Effects

Inhalation: High concentrations of vapors or mists may cause mild irritation to the nose and respiratory tract.

Skin Contact: Prolonged contact may cause mild skin irritation in sensitive individuals.

Eye Contact: May cause temporary redness, watering, and irritation.

Ingestion: Intended for food applications. Excessive ingestion may result in temporary gastrointestinal discomfort.

Environmental Hazards: No significant environmental hazards are expected under normal conditions of use.

Precautionary Statements

- Avoid contact with eyes.
- Avoid prolonged skin contact.
- Ensure adequate ventilation during handling.
- Keep containers tightly closed when not in use.

3. Composition / Information on Ingredients

Pineapple Flavour Liquid is a proprietary blend of food-grade flavoring substances, natural and/or nature-identical aromatic compounds, food-grade solvents, emulsifiers, stabilizers, and approved preservatives where applicable.

The exact formulation is proprietary. All ingredients comply with applicable food safety regulations and are intended for use in food, beverage, pharmaceutical, and nutraceutical products.

4. First Aid Measures

Inhalation: Move the affected person to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash the affected area thoroughly with soap and water.

Eye Contact: Flush immediately with plenty of clean water for at least 15 minutes. Remove contact lenses if present. Seek medical attention if irritation persists.

Ingestion: Rinse mouth with water. Drink plenty of water. Obtain medical advice if discomfort develops following excessive ingestion.

Most Important Symptoms: Mild eye irritation, Mild skin irritation, Temporary gastrointestinal discomfort.

5. Fire Fighting Measures

Suitable Extinguishing Media: Water spray, Dry chemical powder, Carbon dioxide (CO₂), Alcohol-resistant foam.

Unsuitable Extinguishing Media: High-pressure water jet.

Fire Hazards: Depending upon the solvent system, combustible vapors may be generated when exposed to high temperatures.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, and irritating organic fumes.

Protective Equipment: Firefighters should wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Personal Precautions:

- Prevent slipping hazards.
- Wear appropriate protective equipment.
- Ensure adequate ventilation.

Environmental Precautions: Prevent large quantities from entering drains, sewers, or natural waterways.

Methods for Cleaning Up: Contain the spill using inert absorbent material such as sand or vermiculite. Transfer absorbed material into suitable waste containers for disposal according to local regulations.

7. Handling and Storage

Handling

- Avoid contact with eyes.
- Avoid prolonged skin exposure.
- Keep container tightly closed.
- Use clean dispensing equipment.

Storage

Store in the original tightly sealed container in a cool, dry, and well-ventilated place.

Protect from excessive heat, direct sunlight, freezing temperatures, moisture, and contamination.

Recommended Storage Temperature: 15°C to 25°C.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Provide adequate ventilation during normal handling.

Personal Protective Equipment

- **Respiratory Protection:** Normally not required under standard operating conditions.
- **Eye Protection:** Safety glasses or goggles where splashing may occur.

- **Hand Protection:** Protective gloves.
- **Skin Protection:** Protective clothing where appropriate.

9. Physical and Chemical Properties

Appearance: Clear pale yellow to yellow liquid

Odor: Characteristic sweet pineapple aroma

Physical State: Liquid

pH: Typically 4.0–7.0 (depending on formulation)

Boiling Point: Not established

Melting Point: Not applicable

Specific Gravity: Approximately 0.95–1.10

Solubility: Soluble or dispersible in water depending on formulation; readily soluble in alcohol and propylene glycol-based systems

Viscosity: Varies according to formulation

Flash Point: Depends on solvent composition

Auto-Ignition Temperature: Not determined

Vapor Pressure: Not determined

Vapor Density: Not determined

Explosive Properties: None under normal conditions

Oxidizing Properties: None

10. Stability and Reactivity

Reactivity: Stable under recommended storage conditions.

Chemical Stability: Stable during normal handling and storage.

Conditions to Avoid: Excessive heat, Direct sunlight, Freezing temperatures.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and other organic decomposition products may be produced during combustion.

11. Toxicological Information

Acute Toxicity: Low toxicity under normal conditions of intended use.

Skin Irritation: May cause slight irritation after prolonged contact.

Eye Irritation: May cause temporary irritation.

Respiratory Effects: High concentrations of vapors may cause mild respiratory irritation.

Carcinogenicity: No known carcinogenic effects.

Mutagenicity: Not expected to be mutagenic.

Reproductive Toxicity: No known adverse reproductive effects.

12. Ecological Information

Ecotoxicity: No significant environmental hazards anticipated.

Persistence and Degradability: Expected to be biodegradable.

Bioaccumulative Potential: Not expected to bioaccumulate.

Mobility: Depends on formulation; partially miscible in water.

13. Disposal Considerations

Dispose of unused product and contaminated packaging in accordance with local, regional, and national regulations.

Avoid discharge of large quantities into drains or natural water bodies.

14. Transport Information

Pineapple Flavour Liquid is generally **not classified as dangerous goods** for transportation when supplied as a standard food-grade flavouring preparation that does not contain regulated concentrations of flammable solvents. The product should be transported in its original, tightly sealed containers to prevent leakage, contamination, evaporation, and deterioration of quality.

UN Number: Not regulated (for standard non-hazardous food-grade formulations).

UN Proper Shipping Name: Not regulated.

Transport Hazard Class: Not regulated.

Packing Group: Not regulated.

Environmental Hazard: Not classified as environmentally hazardous.

Marine Pollutant: No.

Road Transport (ADR/RID): The product is not regulated as dangerous goods for road or rail transportation. Containers should be transported upright and adequately secured to prevent movement, leakage, or damage. Protect the product from excessive heat, moisture, and direct sunlight during transport.

Sea Transport (IMDG): The product is not classified as dangerous goods under the International Maritime Dangerous Goods (IMDG) Code for standard food-grade formulations. It is not considered a marine pollutant and requires no special hazard labels or segregation. Containers should remain tightly sealed throughout shipment.

Air Transport (IATA): The product is generally not classified as dangerous goods under International Air Transport Association (IATA) regulations when formulated without regulated flammable solvents. Standard commercial packaging is suitable, provided leakage is prevented.

Special Transport Precautions:

- Transport only in approved, tightly closed food-grade containers.
- Protect from excessive heat, freezing, and direct sunlight.
- Prevent leakage and contamination during transportation.
- Keep away from strong oxidizing agents and incompatible chemicals.
- Avoid rough handling that may damage containers.
- Maintain recommended storage temperatures during shipment.
- Inspect packaging before dispatch to ensure product integrity.

Transport in Bulk According to MARPOL Annex II and IBC Code: Not applicable.

Emergency Transport Information: In case of accidental leakage during transportation, isolate the affected area and prevent the product from entering drains or watercourses. Absorb spilled material using sand, earth, or other inert absorbent materials and transfer to suitable disposal containers. Wash the affected area thoroughly after cleanup while wearing appropriate personal protective equipment.

15. Regulatory Information

- Manufactured using food-grade ingredients intended for flavor applications.
- Produced in accordance with applicable food safety and quality standards where applicable.
- Not classified as hazardous under the Globally Harmonized System (GHS) for standard food-grade formulations.

16. Other Information

The information contained in this Material Safety Data Sheet is based on current scientific knowledge and industry experience. It is intended to provide guidance for the safe handling, storage, transportation, and disposal of the product. This information should not be interpreted as a guarantee of product specifications or suitability for any particular application.

- **MSDS Generate Date:** 20-05-2017
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- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.