

Material Safety Data Sheet (MSDS)

Product Name: Orange Flavour Liquid

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

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1. Identification of the Substance and Company

Product Name: Orange Flavour Liquid

Product Type: Food Flavouring Preparation (Liquid)

Recommended Use: Flavoring agent for food, beverages, pharmaceuticals and nutraceutical formulations.

2. Hazard Identification

GHS Classification: The product is not classified as hazardous under normal conditions of use. Depending on the formulation (water, glycerin, propylene glycol, or food-grade solvents), slight irritation may occur upon prolonged exposure.

Potential Health Effects:

Inhalation: Vapors or mists may cause slight irritation in sensitive individuals.

Skin Contact: Prolonged contact may cause mild irritation.

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

Ingestion: Intended for food use; however, excessive ingestion may cause gastrointestinal discomfort.

Environmental Hazards: No significant environmental hazards are anticipated.

Precautionary Statements

- Avoid unnecessary contact with eyes.
- Avoid prolonged skin contact.
- Use with adequate ventilation.
- Keep container tightly closed when not in use.

3. Composition / Information on Ingredients

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

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

4. First Aid Measures

Inhalation: Move the affected person to fresh air. Seek medical advice if irritation persists.

Skin Contact: Wash thoroughly with soap and water.

Eye Contact: Immediately rinse with clean water for at least 15 minutes. Remove contact lenses if present. Seek medical attention if irritation continues.

Ingestion: Rinse mouth with water. Drink plenty of water. Seek medical attention if excessive quantities have been consumed or discomfort develops.

Most Important Symptoms: Mild eye irritation, Mild skin irritation, Temporary gastrointestinal discomfort after excessive ingestion

5. Fire Fighting Measures

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

Unsuitable Extinguishing Media: High-pressure water jet.

Fire Hazards: Depending on the solvent system, the product may be combustible at elevated temperatures.

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

6. Accidental Release Measures

Personal Precautions: Avoid slipping hazards, Wear appropriate protective equipment, Ensure adequate ventilation.

Environmental Precautions: Prevent entry into drains and natural waterways.

Cleanup Procedures: Absorb using sand, earth, vermiculite, or other inert absorbent material. Transfer into suitable waste containers for disposal.

7. Handling and Storage

Handling:

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

Storage:

Store in tightly sealed containers in a cool, dry, and well-ventilated place.

Protect from direct sunlight, excessive heat, moisture, and strong oxidizing agents.

Recommended Storage Temperature: 15–25°C.

8. Exposure Controls / Personal Protection

Engineering Controls: Provide adequate ventilation during handling.

Personal Protective Equipment

- **Respiratory Protection:** Normally not required.
 - **Eye Protection:** Safety glasses where splashing may occur.
 - **Hand Protection:** Protective gloves.
 - **Skin Protection:** Protective clothing where necessary.
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9. Physical and Chemical Properties

Appearance: Clear orange to deep orange liquid

Odor: Characteristic sweet orange aroma

Physical State: Liquid

pH: Typically 4.0–7.0 (depending on formulation)

Boiling Point: Not established

Melting Point: Not applicable

Flash Point: Depends on solvent composition

Specific Gravity: Approximately 0.95–1.10

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

Viscosity: Varies according to formulation

Vapor Pressure: Not determined

Vapor Density: Not determined

Auto-Ignition Temperature: 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 form under fire conditions.

11. Toxicological Information

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

Skin Irritation: May cause mild irritation following prolonged exposure.

Eye Irritation: May cause temporary irritation.

Inhalation: High vapor concentrations may cause mild respiratory irritation.

Carcinogenicity: No known carcinogenic effects.

Mutagenicity: Not expected to be mutagenic.

Reproductive Toxicity: No known reproductive hazards

12. Ecological Information

Ecotoxicity: No significant environmental hazards expected under normal use.

Persistence and Degradability: Expected to be biodegradable.

Bioaccumulative Potential: Not expected to bioaccumulate significantly.

Mobility: Partially miscible depending on formulation.

13. Disposal Considerations

Dispose of unused product and contaminated packaging according to local, state, and national regulations.

Do not discharge large quantities into drains or natural water bodies.

14. Transport Information

Orange 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 levels of flammable solvents. Transport should always be carried out in tightly sealed original containers to prevent leakage, contamination, and deterioration of product quality.

UN Number: Not regulated (for typical 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 classified as dangerous goods for road or rail transport. Containers should be transported in an upright position and protected against physical damage, excessive heat, direct sunlight, and moisture.

Sea Transport (IMDG): The product is not regulated under the International Maritime Dangerous Goods (IMDG) Code for standard food-grade formulations. It is not considered a

marine pollutant. Containers should remain tightly closed and protected from contamination throughout shipment.

Air Transport (IATA): The product is generally not classified as dangerous goods under IATA regulations when formulated without regulated quantities of flammable solvents. Secure packaging should be used to prevent leakage during air transport.

Special Transport Precautions:

- Transport only in tightly sealed food-grade containers.
- Protect from excessive heat, freezing, and direct sunlight.
- Prevent leakage and contamination.
- Keep away from strong oxidizing agents.
- Avoid rough handling that may damage packaging.
- Maintain appropriate storage temperatures during transportation.

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

Emergency Transport Information: In the event of accidental leakage during transportation, isolate the affected area, prevent entry into drains and watercourses, absorb the liquid using inert absorbent material, and dispose of waste in accordance with local regulations. Wash the spill area thoroughly after cleanup while wearing appropriate personal protective equipment.

15. Regulatory Information

- Manufactured using food-grade ingredients intended for flavor applications.
- Manufactured 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 knowledge and is intended to provide guidance for the safe handling, storage, transportation, and disposal of the product. It does not constitute a guarantee of product properties or suitability for any particular application. Users are responsible for ensuring compliance with all applicable regulations.

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