



## SAFETY DATA SHEET

In accordance with REACH Regulation EC No. 1907/2006

**Product:** Pineapple Flavor 232H39

**Version:** 1

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

**Product identifier:** Pineapple Flavor 232H39  
**Other identifiers:** None

#### 1.2 Relevant identified uses of the substance of mixture uses advised against

**Product uses:** Flavors

#### 1.3 Details of the supplier of the safety data sheet

**Company name:** Terp Science Labs  
**Company address:** 380 S. Los Angeles Street  
Los Angeles  
CA 90012  
USA

**Contact:** Brent Borrow  
**E-Mail addresses:** tslabs323@gmail.com  
**Company phone:** (213) 625-0228

#### 1.4 Emergency telephone number

**Emergency phone:** (213) 625-0228

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### **Classification under Regulation (EC) No 1272/2008**

**Class and category of danger:** Hazardous to the Aquatic Environment - Long-term Hazard Category 3  
H412, Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

**Signal word:** None

**Hazard statements:** H412, Harmful to aquatic life with long lasting effects.

**Supplemental Information:** None

**Precautionary statements:** P273, Avoid release to the environment. P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:** None

**Other hazards:** None

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**Pictograms:** None

**Other hazards:** None

### Section 3. Composition / Information on ingredients

#### 3.2 Mixtures

##### Contains:

| Name            | CAS      | EC        | REACH Registration No. | %    | Classification for (CLP) 1272/2008                       |
|-----------------|----------|-----------|------------------------|------|--|
| Allyl hexanoate | 123-68-2 | 204-642-4 |                        | 1-5% | ATO 3-ATD 3-ATI 3-EH A1-EH C3;H301-H311-H331-H400-H412,- |

##### Substances with Community workplace exposure limits:

| Name          | CAS      | EC        | %   |
|---------------|----------|-----------|-----|
| Ethyl acetate | 141-78-6 | 205-500-4 | <1% |

### Section 4. First-aid measures

#### 4.1 Description of first aid measure

- Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
- Eye exposure:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
- Skin exposure:** Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
- Ingestion:** Rinse mouth with water and obtain medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

None expected, see Section 4.1 for further information.

#### 4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

### Section 5. Firefighting Measures

#### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.



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### 5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

### 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

### 6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 7.3 Specific end use(s):

Flavours: Use in accordance with good manufacturing and industrial hygiene practices.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

Workplace exposure limits:

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### Section 8. Exposure controls/personal protection

#### 8.1 Control parameters

Workplace exposure limits: Not Applicable

| Ingredient    | CAS      | EC        | Description           | Value |
|---------------|----------|-----------|-----------------------|-------|
| Ethyl acetate | 141-78-6 | 205-500-4 | UK WEL Long term ppm  | 200   |
|               |          |           | UK WEL Short term ppm | 400   |

#### 8.2 Exposure Controls

##### Eye / Skin Protection

Wear protective gloves/eye protection/face protection

##### Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapor, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimize exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapor cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Section 2 and 7.

### Section 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| <b>Appearance:</b>                                   | Not determined                               |
| <b>Odour:</b>  | Not determined                               |
| <b>Odour threshold:</b>                              | Not determined                               |
| <b>pH:</b>   | Not determined                               |
| <b>Melting point / freezing point:</b>               | Not determined                               |
| <b>Initial boiling point / range:</b>                | Not determined                               |
| <b>Flash point:</b>                                  | 86.67 °C                                     |
| <b>Evaporation rate:</b>                             | Not determined                               |
| <b>Flammability (solid, gas):</b>                    | Not determined                               |
| <b>Upper/lower flammability or explosive limits:</b> | Product does not present an explosion hazard |
| <b>Vapour pressure:</b>                              | Not determined                               |
| <b>Vapour density:</b>                               | Not determined                               |

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**Relative density:** 0.9430  
**Solubility(ies):** Not determined  
**Partition coefficient: n-octanol/water:** Not determined  
**Auto-ignition temperature:** Not determined  
**Decomposition temperature:** Not determined  
**Viscosity:** Not determined

**Explosive properties:** Not expected

**Oxidising properties:** Not expected

**9.2 Other information:** None available

### Section 10. Stability and reactivity

Presents no significant reactivity hazard, by itself or in contact with water.

#### **10.2 Chemical stability:**

Good stability under normal storage conditions.

#### **10.3 Possibility of hazardous reactions:**

Not expected under normal conditions of use.

#### **10.4 Conditions to avoid:**

Avoid extreme heat.

#### **10.5 Incompatible materials:**

Avoid contact with strong acids, alkalis or oxidising agents.

#### **10.6 Hazardous decomposition products:**

Not expected.

### Section 11. Toxicological information

#### **11.1 Information on toxicological effects**

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

This material does not meet the criteria for classification for health hazards under Regulation (EC) No 1272/2008.

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**Acute Toxicity:** Based on available data the classification criteria are not met.  
**Acute Toxicity Oral** >5000  
**Acute Toxicity Dermal** >5000  
**Acute Toxicity Inhalation** Not Available  
**Skin corrosion/irritation:** Based on available data the classification criteria are not met.  
**Serious eye damage/irritation:** Based on available data the classification criteria are not met.  
**Respiratory or skin sensitisation:** Based on available data the classification criteria are not met.  
**Germ cell mutagenicity:** Based on available data the classification criteria are not met.  
**Carcinogenicity:** Based on available data the classification criteria are not met.  
**Reproductive toxicity:** Based on available data the classification criteria are not met.  
**STOT-single exposure:** Based on available data the classification criteria are not met.  
**STOT-repeated exposure:** Based on available data the classification criteria are not met.

**Aspiration hazard:** Based on available data the classification criteria are not met.

### Information about hazardous ingredients in the mixture

| Ingredient      | CAS      | EC        | LD50/ATE Oral | LD50/ATE Dermal | LC50/ATE Inhalation | LC50 Route |
|-----------------|----------|-----------|---------------|-----------------|---------------------|------------|
| Allyl hexanoate | 123-68-2 | 204-642-4 | 300           | 300             | 3                   | Vapour     |

Refer to Sections 2 and 3 for additional information.

### Section 12. Ecological information

**12.1 Toxicity:**

Harmful to aquatic life with long lasting effects.

**12.2 Persistence and degradability:** Not available

**12.3 Bioaccumulative potential:** Not available

**12.4 Mobility in soil:** Not available

**12.5 Results of PBT and vPvB assessment:**

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Other adverse effects:** Not available

### Section 13. Disposal considerations

**13.1 Waste treatment methods:**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### Section 14. Transport information

**14.1 UN number:** Not classified  
**14.2 UN Proper Shipping Name:** Not classified  
**14.3 Transport hazard class(es):** Not classified  
    Sub Risk: Not classified  
**14.4. Packing Group:** Not classified  
**14.5 Environmental hazards:** Not environmentally hazardous for transport  
**14.6 Special precautions for user:** None additional  
**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**  
Not classified

### Section 15. Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
None additional  
**15.2 Chemical Safety Assessment**  
A Chemical Safety Assessment has not been carried out for this product.

### Section 16. Other information

**Key to revisions:**  
Not applicable  
Key to abbreviations:

| Abbreviation | Meaning  |
|--------------|--|
| ATD 3        | Acute Toxicity - Dermal Category 3                                 |
| ATI 3        | Acute Toxicity - Inhalation Category 3                             |
| ATO 3        | Acute Toxicity - Oral Category 3                                   |
| EH A1        | Hazardous to the Aquatic Environment - Acute Hazard Category 1     |
| EH C3        | Hazardous to the Aquatic Environment - Long-term Hazard Category 3 |
| H301         | Toxic if swallowed.  |
| H311         | Toxic in contact with skin.  |
| H331         | Toxic if inhaled.  |
| H400         | Very toxic to aquatic life.  |
| H412         | Harmful to aquatic life with long lasting effects.                 |
| P261         | Avoid breathing vapour or dust.                                    |

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|          |  |
|----------|--|
| P261     | Avoid breathing vapour or dust.  |
| P264     | Wash hands and other contacted skin thoroughly after handling.                                   |
| P270     | Do not eat, drink or smoke when using this product.  |
| P271     | Use only outdoors or in a well-ventilated area.  |
| P273     | Avoid release to the environment.  |
| P280     | Wear protective gloves/eye protection/face protection.   |
| P301/310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.                              |
| P302/352 | IF ON SKIN: Wash with plenty of soap and water.  |
| P304/340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P311     | Call a POISON CENTRE or doctor/physician.  |
| P330     | Rinse mouth.   |
| P361     | Remove/Take off immediately all contaminated clothing.   |
| P363     | Wash contaminated clothing before reuse.   |
| P391     | Collect spillage.  |
| P405     | Store locked up.   |
| P501     | Dispose of contents/container to approved disposal site, in accordance with local regulations.   |

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.