

# STRAWBERRY

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 1/24/2025 Version: 1.0 Print date: 1/24/2025

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : STRAWBERRY

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Perfumes, fragrances  
Recommended use : Perfumes, fragrances

#### 1.3. Supplier

KC's Burning Aromas, LLC  
3120 W. Carefree Hwy Suite B-7  
Phoenix Az 85086

#### 1.4. Emergency telephone number

Emergency number : 1-800-255-3924; +01-813-248-0585;  
China:+400-120-0751; Mexico:+01-800-099-0731; Brazil:  
+0-800-591-6042; India: +000-800-100-4086

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Skin sensitisation, Category 1 H317 May cause an allergic skin reaction.  
Full text of H-statements: see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US)



:

Signal word (GHS US) : Warning  
Hazard statements (GHS US) : H317 - May cause an allergic skin reaction.

Precautionary statements (GHS US) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P272 - Contaminated work clothing must not be allowed out of the workplace.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 - If on skin: Wash with plenty of water.  
 P321 - Specific treatment (see supplemental first aid instruction on this label).  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

### 2.3. Other hazards which do not result in classification

No additional information available

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### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                    | Product identifier | %                   | GHS-US classification     |
|---|--------------------|---------------------|---------------------------|
| Aldehyde C-16                           | CAS-No.: 77-83-8   | 10.287 – 41.148     | Skin Sens. 1B, H317       |
| Ethyl maltol                            | CAS-No.: 4940-11-8 | 0.772 – 3.088       | Acute Tox. 4 (Oral), H302 |
| 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- | CAS-No.: 3658-77-3 | 0.29 – 1.16         | Acute Tox. 4 (Oral), H302 |
| Oxypheylon (Raspberry ketone) crystals  | CAS-No.: 5471-51-2 | 0.25 – <sup>1</sup> | Acute Tox. 4 (Oral), H302 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

<sup>1</sup> /24/2025 (Issue date)

|                                       |   |   |
|---------------------------------------|---|---|
| First-aid measures general            | : | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).   |
| First-aid measures after inhalation   | : | Allow affected person to breathe fresh air. Allow the victim to rest.   |
| First-aid measures after skin contact | : | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Get medical advice/attention. on this label). If skin irritation occurs: Get medical advice/attention. Wash with plenty of water/.... Get medical advice/attention. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact  | : | Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.   |
| First-aid measures after ingestion    | : | Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.  |

#### 4.2. Most important symptoms and effects (acute and delayed)

|   |   |  |
|---|---|--|
| Potential adverse human health effects and symptoms | : | Based on available data, the classification criteria are not met.                        |
| Symptoms/effects                                    | : | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation                   | : | May cause an allergic skin reaction.   |

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

|                                |   |  |
|--------------------------------|---|--|
| Suitable extinguishing media   | : | Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : | Do not use a heavy water stream.                     |

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#### 5.2. Specific hazards arising from the chemical

No additional information available

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |   |   |
|--------------------------------|---|---|
| Firefighting instructions      | : | Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : | Do not enter fire area without proper protective equipment, including respiratory protection.   |

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

|                      |   |                                 |
|----------------------|---|---------------------------------|
| Emergency procedures | : | Evacuate unnecessary personnel. |
|----------------------|---|---------------------------------|

##### 6.1.2. For emergency responders

|                      |   |  |
|----------------------|---|--|
| Protective equipment | : | Equip cleanup crew with proper protection. |
| Emergency procedures | : | Ventilate area.                            |

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

|                         |   |  |
|-------------------------|---|--|
| Methods for cleaning up | : | Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|---|--|

## 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |   |  |
|-------------------------------|---|--|
| Precautions for safe handling | : | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Hygiene measures              | : | Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.  |

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

|                            |   |   |
|----------------------------|---|---|
| Storage conditions         | : | Keep only in the original container in a cool, well ventilated place away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. |
| Incompatible products      | : | Strong bases. Strong acids.   |
| Incompatible materials     | : | Sources of ignition. Direct sunlight.   |
| Storage temperature        | : | 25 °C   |
| Storage area               | : | Store in a well-ventilated place. Store away from heat.   |
| Special rules on packaging | : | Store in a closed container.  |
| Packaging materials        | : | Do not store in corrodable metal.   |

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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No additional information available

##### Aldehyde C-16 (77-83-8)

No additional information available

##### 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)

No additional information available

##### Oxypheylon (Raspberry ketone) crystals (5471-51-2)

No additional information available

##### Ethyl maltol (4940-11-8)

No additional information available

#### 8.2. Appropriate engineering controls

No additional information available

#### 8.3. Individual protection measures/Personal protective equipment

**Personal protective equipment:** Avoid all unnecessary exposure.

##### Hand protection:

Wear protective gloves.

##### Eye protection:

Chemical goggles or safety glasses

##### Respiratory protection:

Wear appropriate mask

**Personal protective equipment symbol(s):**



##### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|                 |                        |
|-----------------|------------------------|
| Physical state  | : Liquid               |
| Colour          | : Conforms to standard |
| Odour           | : characteristic       |
| Odour threshold | : No data available    |
| pH              | : No data available    |
| Melting point   | : No data available    |

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|   |  |
|---|--|
| Freezing point                                  | : No data available                    |
| Boiling point                                   | : No data available                    |
| Flash point                                     | : > 93 °C                              |
| Relative evaporation rate (butylacetate=1)      | : No data available                    |
| Flammability (solid, gas)                       | : Not applicable.                      |
| Vapour pressure                                 | : 0.001465619 mm Hg (calculated value) |
| Relative vapour density at 20°C                 | : No data available                    |
| Relative density                                | : No data available                    |
| Solubility                                      | : No data available                    |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                    |
| Auto-ignition temperature                       | : No data available                    |
| Decomposition temperature                       | : No data available                    |
| Viscosity, kinematic                            | : No data available                    |
| Viscosity, dynamic                              | : No data available                    |
| Explosive limits                                | : No data available                    |
| Explosive properties                            | : No data available                    |
| Oxidising properties                            | : No data available                    |

### 9.2. Other information

|             |   |
|-------------|---|
| VOC content | : 7.60112 % (calculated value)(CARB VOC) (%w/w) |
|-------------|---|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

#### Aldehyde C-16 (77-83-8)

|                 |                                 |
|-----------------|---------------------------------|
| LD50 oral rat   | mg/kg (Source: NLM_CIP)         |
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA_API) |

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
 Acute toxicity (dermal) : Not classified  
 Acute toxicity (inhalation) : Not classified

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| Aldehyde C-16 (77-83-8)                             |                                 |
|---|---------------------------------|
| ATE US (oral)                                       | 5470 mg/kg bodyweight           |
| 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3) |                                 |
| LD50 oral   | 1608 mg/kg bodyweight           |
| ATE US (oral)                                       | 500 mg/kg bodyweight            |
| Oxypheylon (Raspberry ketone) crystals (5471-51-2)  |                                 |
| LD50 oral rat                                       | 1320 mg/kg (Source: NLM_CIP)    |
| LD50 dermal rat                                     | > 2000 mg/kg (Source: ECHA_API) |
| ATE US (oral)                                       | 1320 mg/kg bodyweight           |
| Ethyl maltol (4940-11-8)                            |                                 |
| LD50 oral rat                                       | 1150 mg/kg (Source: NLM_CIP)    |

|                    |                                 |
|--------------------|---------------------------------|
| LD50 oral          | 1200 mg/kg bodyweight           |
| LD50 dermal rabbit | > 5000 mg/kg (Source: ECHA_API) |
| ATE US (oral)      | 1150 mg/kg bodyweight           |

|   |  |
|---|--|
| Skin corrosion/irritation                           | : Not classified   |
| Serious eye damage/irritation                       | : Not classified   |
| Respiratory or skin sensitisation                   | : May cause an allergic skin reaction.   |
| Germ cell mutagenicity                              | : Not classified   |
| Carcinogenicity                                     | : Not classified   |
| Reproductive toxicity                               | : Not classified   |
| STOT-single exposure                                | : Not classified   |
| STOT-repeated exposure                              | : Not classified   |
| Aspiration hazard                                   | : Not classified   |
| Viscosity, kinematic                                | : No data available  |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met.                        |
| Symptoms/effects                                    | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation                   | : May cause an allergic skin reaction.   |

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Aldehyde C-16 (77-83-8)

|                 |  |
|-----------------|--|
| LC50 - Fish [1] | 4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA) |
|-----------------|--|

#### Ethyl maltol (4940-11-8)

|                 |   |
|-----------------|---|
| LC50 - Fish [1] | > 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: ECHA) |
|-----------------|---|

### 12.2. Persistence and degradability

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|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

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### 12.3. Bioaccumulative potential

| STRAWBERRY  |                             |
|---|-----------------------------|
| Bioaccumulative potential                           | Not established.            |
| Aldehyde C-16 (77-83-8)                             |                             |
| Partition coefficient n-octanol/water (Log Pow)     | 2.4 (at 25 °C (cis isomer)) |
| 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3) |                             |
| Partition coefficient n-octanol/water (Log Pow)     | 0.95 (at 20 °C (at pH 2.5)) |
| Oxyphelyon (Raspberry ketone) crystals (5471-51-2)  |                             |
| Partition coefficient n-octanol/water (Log Pow)     | 1.33 (at 20 °C)             |
| Ethyl maltol (4940-11-8)                            |                             |
| Partition coefficient n-octanol/water (Log Pow)     | 2.9 (at 25 °C)              |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.

Ecological information : Avoid release to the environment.

## SECTION 14: Transport information

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : Not applicable

### 14.4. Packing group

Packing group (DOT) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

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### 14.6. Special precautions for user

#### DOT

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### 15.2. International regulations

#### CANADA

|  |
|--|
| <b>Aldehyde C-16 (77-83-8)</b>                             |
| Listed on the Canadian DSL (Domestic Substances List)      |
| <b>3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)</b> |
| Listed on the Canadian DSL (Domestic Substances List)      |
| <b>Oxypheylon (Raspberry ketone) crystals (5471-51-2)</b>  |
| Listed on the Canadian DSL (Domestic Substances List)      |
| <b>Ethyl maltol (4940-11-8)</b>                            |
| Listed on the Canadian DSL (Domestic Substances List)      |

#### EU-Regulations

|  |
|--|
| <b>Aldehyde C-16 (77-83-8)</b>   |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
| <b>3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)</b>   |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
| <b>Oxypheylon (Raspberry ketone) crystals (5471-51-2)</b>  |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
| <b>Ethyl maltol (4940-11-8)</b>  |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

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#### National regulations

|  |
|--|
| <b>Aldehyde C-16 (77-83-8)</b>   |
| Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on the Japanese ISHL (Industrial Safety and Health Law)<br>Listed on the TCSI (Taiwan Chemical Substance Inventory)<br>Listed on the NCI (Vietnam - National Chemical Inventory)<br>Listed on Thailand Existing Chemicals Inventory (DIW) |
| <b>3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)</b>   |

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
 Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
 Listed on NZIoC (New Zealand Inventory of Chemicals)  
 Listed on the Japanese ISHL (Industrial Safety and Health Law)  
 Listed on INSQ (Mexican National Inventory of Chemical Substances)  
 Listed on the TCSI (Taiwan Chemical Substance Inventory)  
 Listed on the NCI (Vietnam - National Chemical Inventory)  
 Listed on Thailand Existing Chemicals Inventory (DIW)

**Oxyphelyon (Raspberry ketone) crystals (5471-51-2)**

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
 Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
 Listed on NZIoC (New Zealand Inventory of Chemicals)  
 Listed on the Japanese ISHL (Industrial Safety and Health Law)  
 Listed on INSQ (Mexican National Inventory of Chemical Substances)  
 Listed on the TCSI (Taiwan Chemical Substance Inventory)  
 Listed on the NCI (Vietnam - National Chemical Inventory)  
 Listed on Thailand Existing Chemicals Inventory (DIW)

**Ethyl maltol (4940-11-8)**

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
 Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
 Listed on NZIoC (New Zealand Inventory of Chemicals)  
 Listed on the Japanese ISHL (Industrial Safety and Health Law)  
 Listed on INSQ (Mexican National Inventory of Chemical Substances)  
 Listed on the TCSI (Taiwan Chemical Substance Inventory)  
 Listed on the NCI (Vietnam - National Chemical Inventory)  
 Listed on Thailand Existing Chemicals Inventory (DIW)

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### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component                    | State or local regulations  |
|------------------------------|---|
| Ethyl acetoacetate(141-97-9) | U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |

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|                                |  |
|--------------------------------|--|
| Refined Soybean oil(8001-22-7) | U.S. - Pennsylvania - RTK (Right to Know) List |
|--------------------------------|--|

### SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Other information : None.

| Full text of H-statements |                                      |
|---------------------------|--------------------------------------|
| H302                      | Harmful if swallowed.                |
| H317                      | May cause an allergic skin reaction. |