## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 10/7/2021

| SECTION 1: Identification   |  |
|---|--|
| 1.1. Identification   |  |
| Product form<br>Product name<br>Product code  | : Mixture<br>: Forbidden Pumpkin #TS151<br>: TS151   |
| 1.2. Recommended use and restrictions on  | use  |
| Use of the substance/mixture<br>Recommended use   | : Perfumes, Fragrances<br>: Perfumes, Fragrances   |
| 1.3. Supplier   |  |
| 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:<br>+0-800-591-6042; India: +000-800-100-4086 |
| SECTION 2: Hazard(s) identification   |  |
| 2.1. Classification of the substance or mixt  | ure  |
| GHS US classification<br>Acute toxicity (oral) Category 4<br>Skin sensitization, Category 1<br>Full text of H statements : see section 16 | H302 Harmful if swallowed<br>H317 May cause an allergic skin reaction  |

# 2.2. GHS Label elements, including precautionary statements GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US) Signal word (GHS US) Hazard statements (GHS US) Hazard statements (GHS US) Hazard statements (GHS US) GHS US Hazard statements (GHS US) Hazard statements (GHS US)

Precautionary statements (GHS US)

- H317 May cause an allergic skin reaction
- : P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
  - P264 Wash hands thoroughly after handling
  - P270 Do not eat, drink or smoke when using this product.
  - P272 Contaminated work clothing must not be allowed out of the workplace.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P312 If swallowed: Call a poison center or doctor if you feel unwell.

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

No additional information available

## Safety Data Sheet

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

## 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  |
|-------------------------|--------------------|---------------|--|
| Benzyl benzoate         | CAS-No.: 120-51-4  | 13.86 – 23.86 | Acute Tox. 4 (Oral), H302  |
| Cinnamic aldehyde       | CAS-No.: 104-55-2  | 2.275 – 4.55  | Acute Tox. 4 (Dermal), H312<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1B, H317 |
| Benzene carboxaldehyde  | CAS-No.: 100-52-7  | 2.2 - 4.4     | Flam. Liq. 4, H227<br>Acute Tox. 4 (Oral), H302  |
| Eugenol                 | CAS-No.: 97-53-0   | 1.175 – 2.35  | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2A, H319<br>Skin Sens. 1B, H317                          |
| Ethyl vanillin crystals | CAS-No.: 121-32-4  | 0.8 – 1.6     | Acute Tox. 4 (Oral), H302  |
| Vanillin                | CAS-No.: 121-33-5  | 0.8 – 1.6     | Eye Irrit. 2A, H319  |
| Anisic aldehyde         | CAS-No.: 123-11-5  | 0.775 – 1.55  | 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              |   |
|---|---|
| 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). Call a poison center/doctor/physician if you feel unwell.   |
| First-aid measures after inhalation                 | : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.  |
| First-aid measures after skin contact               | : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.<br>Specific treatment (see supplemental first aid instruction on this label). Wash contaminated<br>clothing before reuse. Remove affected clothing and wash all exposed skin area with mild soap<br>and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.<br>Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs:<br>Get medical advice/attention. |
| First-aid measures after eye contact                | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.  |
| First-aid measures after ingestion                  | <ul> <li>Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce<br/>vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel<br/>unwell.</li> </ul>   |
| 4.2. Most important symptoms and effects            | s (acute and delayed)   |
| Potential Adverse human health effects and symptoms | : Harmful if swallowed. 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.  |

# Safety Data Sheet

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

| Symptoms/effects after inhalation   | : May cause an allergic skin reaction.   |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : May cause an allergic skin reaction.   |
| Symptoms/effects after ingestion    | : Swallowing a small quantity of this material will result in serious health hazard. |

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

Treat symptomatically.

| SECTION 5: Fire-fighting measures                              |  |  |
|--|--|--|
| 5.1. Suitable (and unsuitable) extinguishing                   | g media  |  |
| Suitable extinguishing media<br>Unsuitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand.<br>: Do not use a heavy water stream.   |  |
| 5.2. Specific hazards arising from the chemical                |  |  |
| Hazardous decomposition products in case of fire               | : Toxic fumes may be released.   |  |
| 5.3. Special protective equipment and prec                     | autions 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 environment.  |  |
| Protection during firefighting                                 | : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |  |

| SECTION 6: Accidental release measures                                   |  |  |
|--|--|--|
| 6.1. Personal precautions, protective equipment and emergency procedures |  |  |
| 6.1.1. For non-emergency personnel                                       |  |  |
| Emergency procedures   | : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.<br>Avoid breathing dust/fume/gas/mist/vapors/spray.   |  |
| 6.1.2. For emergency responders  |  |  |
| Protective equipment   | Do not attempt to take action without suitable protective equipment. Equip cleanup crew with<br>proper protection. For further information refer to section 8: "Exposure controls/personal<br>protection". |  |
| Emergency procedures   | : Ventilate area.  |  |
| 6.2. Environmental precautions   |  |  |
| Avoid release to the environment. Prevent entr                           | y 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<br>Other information              | <ul> <li>Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.</li> <li>Dispose of materials or solid residues at an authorized site.</li> </ul> |  |
| 6.4. Reference to other sections                          |   |  |

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

# Safety Data Sheet

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

| SECTION 7: Handling and storage                   |   |
|---|---|
| 7.1. Precautions for safe handling                |   |
| Precautions for safe handling<br>Hygiene measures | <ul> <li>Ensure good ventilation of the work station. Avoid breathing dust/fume/gas/mist/vapors/spray.</li> <li>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 vapor. Avoid contact with skin and eyes. Wear personal protective equipment.</li> <li>Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.</li> </ul> |
|   | Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash hands after handling the product.   |
| 7.2. Conditions for safe storage, includ          | ding any incompatibilities  |
| Storage conditions                                | : Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.   |
| Incompatible products                             | : Strong bases. Strong acids.   |
| Incompatible materials                            | : Sources of ignition. Direct sunlight.   |
| Storage temperature<br>Storage area               | : 25 °C<br>: 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.   |

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Forbidden Pumpkin #TS151                  |                      |  |
|---|----------------------|--|
| No additional information available       |                      |  |
| Benzene carboxaldehyde (100-52-7)         |                      |  |
| USA - AIHA - Occupational Exposure Limits |                      |  |
| WEEL TWA [ppm]                            | 2 ppm                |  |
| WEEL STEL [ppm]                           | 4 ppm (15-min. STEL) |  |
| AIHA chemical category                    | Skin sensitizer      |  |
| Anisic aldehyde (123-11-5)                |                      |  |
| No additional information available       |                      |  |
| Benzyl benzoate (120-51-4)                |                      |  |
| No additional information available       |                      |  |
| Cinnamic aldehyde (104-55-2)              |                      |  |
| No additional information available       |                      |  |
| Ethyl vanillin crystals (121-32-4)        |                      |  |
| No additional information available       |                      |  |
| Eugenol (97-53-0)                         |                      |  |
| No additional information available       |                      |  |

## Safety Data Sheet

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

| Vanillin (121-33-5)   |   |  |
|---|---|--|
| USA - AIHA - Occupational Exposure Limits                         |   |  |
| WEEL TWA  | 10 mg/m³  |  |
| 8.2. Appropriate engineering controls                             |   |  |
|   | Ensure good ventilation of the work station.<br>Avoid release to the environment. |  |
| 8.3. Individual protection measures/Personal p                    | protective equipment  |  |
| Personal protective equipment:<br>Avoid all unnecessary exposure. |   |  |
| Hand protection:  |   |  |
| Wear protective gloves.   |   |  |
| Eye protection:   |   |  |
| Chemical goggles or safety glasses. Safety glasses                |   |  |
| Skin and body protection:   |   |  |
| Wear suitable protective clothing                                 |   |  |
| Respiratory protection:   |   |  |
| Wear appropriate mask   |   |  |
| 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<br>Color<br>Odor<br>Odor threshold<br>pH<br>Melting point<br>Freezing point<br>Boiling point<br>Flash point<br>Relative evaporation rate (butyl acetate=1)<br>Flammability (solid, gas)<br>Vapor pressure<br>Relative vapor density at 20 °C<br>Relative density<br>Solubility<br>Partition coefficient n-octanol/water (Log Pow) | <ul> <li>Liquid</li> <li>light yellow amber</li> <li>characteristic</li> <li>No data available</li> <li>No data available</li> <li>Not applicable</li> <li>No data available</li> <li>No data available</li> <li>&gt; 93 °C (closed cup) ASTM D7094</li> <li>No data available</li> <li>Not applicable.</li> <li>No data available</li> </ul> |
|--|---|
| Boiling point  | : No data available   |
| Flash point  | : > 93 °C (closed cup) ASTM D7094   |
| Relative evaporation rate (butyl acetate=1)  | : No data available   |
| Flammability (solid, gas)  | : Not applicable.   |
| Vapor pressure   | : No data available   |
| Relative vapor density at 20 °C  | : No data available   |
| Relative density   | : ≈1  |
| 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   |
| Explosion limits   | : No data available   |
| Explosive properties   | : No data available   |
| Oxidizing properties   | : No data available   |
|  |   |

# Safety Data Sheet

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

#### 9.2. Other information

10.1. Reactivity

No additional information available

**SECTION 10: Stability and reactivity** 

| The product is non-reactive under normal conditions of use, storage and transport. |
|--|
| 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 (dermal)                    | Harmful if swallowed.<br>Not classified<br>Not classified |  |
| Forbidden Pumpkin #TS151                   |   |  |
| ATE US (oral)                              | 1707.606 mg/kg body weight                                |  |
| Benzene carboxaldehyde (100-52-7)          |   |  |
| LD50 oral rat                              | 1292 mg/kg  |  |
| LD50 dermal rabbit                         | > 1250 mg/kg  |  |
| ATE US (oral)                              | 1292 mg/kg body weight                                    |  |
| Anisic aldehyde (123-11-5)                 | Anisic aldehyde (123-11-5)                                |  |
| LD50 oral rat                              | > 2000 mg/kg  |  |
| LD50 dermal rabbit                         | > 5000 mg/kg  |  |
| LC50 Inhalation - Rat                      | > 0.32 mg/l (Exposure time: 7 h)                          |  |
| ATE US (oral)                              | 500 mg/kg body weight                                     |  |
| Benzyl benzoate (120-51-4)                 |   |  |
| LD50 oral rat                              | 500 mg/kg   |  |
| LD50 dermal rabbit                         | 4000 mg/kg  |  |

# Safety Data Sheet

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

| Benzyl benzoate (120-51-4)                 |  |
|--|--|
| ATE US (oral)                              | 500 mg/kg body weight  |
| ATE US (dermal)                            | 4000 mg/kg body weight   |
| Cinnamic aldehyde (104-55-2)               |  |
| LD50 oral rat                              | 2220 mg/kg   |
| LD50 dermal rabbit                         | 1260 mg/kg   |
| ATE US (oral)                              | 2220 mg/kg body weight   |
| ATE US (dermal)                            | 1260 mg/kg body weight   |
| Ethyl vanillin crystals (121-32-4)         |  |
| LD50 oral rat                              | 1590 mg/kg   |
| LD50 dermal rat                            | > 2000 mg/kg   |
| ATE US (oral)                              | 1590 mg/kg body weight   |
| Eugenol (97-53-0)                          |  |
| LD50 oral rat                              | 1930 mg/kg   |
| ATE US (oral)                              | 1930 mg/kg body weight   |
| Vanillin (121-33-5)                        |  |
| LD50 dermal rabbit                         | > 5010 mg/kg   |
| Skin corrosion/irritation                  | : Not classified   |
| Serious eye damage/irritation              | : Not classified   |
| Respiratory or skin sensitization          | : May cause an allergic skin reaction.   |
| Germ cell mutagenicity                     | : Not classified   |
| Carcinogenicity                            | : Not classified   |
| Eugenol (97-53-0)                          |  |
| IARC group                                 | 3 - Not classifiable   |
| 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 | : Harmful if swallowed. Based on available data, the classification criteria are not met.  |
| symptoms                                   |  |
| 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.   |
| Symptoms/effects after skin contact        | : May cause an allergic skin reaction.   |
| Symptoms/effects after ingestion           | : Swallowing a small quantity of this material will result in serious health hazard.       |

| SECTION 12: Ecological information |  |
|------------------------------------|--|
| 12.1. Toxicity                     |  |
| Ecology - general :                | The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
| Benzene carboxaldehyde (100-52-7)  |  |
| LC50 - Fish [1]                    | 10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])                                 |

# Safety Data Sheet

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

| Benzene carboxaldehyde (100-52-7)   |  |
|-------------------------------------|--|
| LC50 - Fish [2]                     | 12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])             |
| Benzyl benzoate (120-51-4)          |  |
| LC50 - Fish [1]                     | 2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])                 |
| NOEC (chronic)                      | 0.168 mg/l   |
| Ethyl vanillin crystals (121-32-4)  |  |
| LC50 - Fish [1]                     | 81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| Eugenol (97-53-0)                   |  |
| LC50 - Fish [1]                     | 13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])                   |
| Vanillin (121-33-5)                 |  |
| LC50 - Fish [1]                     | 53 – 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])   |
| LC50 - Fish [2]                     | 88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])                |
| NOEC (acute)                        | 10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])    |
| 12.2. Persistence and degradability |  |
| Forbidden Pumpkin #TS151            |  |
| Persistence and degradability       | Not established.   |
| Benzyl benzoate (120-51-4)          |  |
| Persistence and degradability       | May cause long-term adverse effects in the environment.                              |
| 12.3. Bioaccumulative potential     |  |

| Not established.                 |  |
|----------------------------------|--|
| Not established.                 |  |
|                                  |  |
|                                  |  |
| (no significant bioaccumulation) |  |
| 1.48 (at 20 °C)                  |  |
| Benzyl benzoate (120-51-4)       |  |
| 4                                |  |
| Not established.                 |  |
| Cinnamic aldehyde (104-55-2)     |  |
| 2.22 (at 18 °C)                  |  |
| Vanillin (121-33-5)              |  |
| 1.23 (at 22 °C)                  |  |
|                                  |  |

#### 12.4. Mobility in soil

No additional information available

## 12.5. Other adverse effects

: Avoid release to the environment.

## Safety Data Sheet

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

| SECTION 13: Disposal considerations  |   |
|--|---|
| 13.1. Disposal methods   |   |
| Waste treatment methods<br>Product/Packaging disposal recommendations<br>Ecology - waste materials | <ul> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Dispose of contents/container in accordance with local/national laws and regulations. Dispose in a safe manner in accordance with local/national regulations.</li> <li>Avoid release to the environment.</li> </ul> |
| SECTION 14: Transport information  |   |
| In accordance with Department of Transport   |   |
| 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)   |   |
| <b>DOT</b><br>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.   |
| 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, except for:

| Benzene carboxaldehyde  | CAS-No. 100-52-7 | 2.2 – 4.4%     |
|-------------------------|------------------|----------------|
| Anisic aldehyde         | CAS-No. 123-11-5 | 0.775 – 1.55%  |
| Benzyl benzoate         | CAS-No. 120-51-4 | 13.86 – 23.86% |
| Cinnamic aldehyde       | CAS-No. 104-55-2 | 2.275 – 4.55%  |
| Ethyl vanillin crystals | CAS-No. 121-32-4 | 0.8 – 1.6%     |
| Eugenol                 | CAS-No. 97-53-0  | 1.175 – 2.35%  |
| Vanillin                | CAS-No. 121-33-5 | 0.8 – 1.6%     |

#### Safety Data Sheet

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

#### **15.2. International regulations**

#### CANADA

#### Benzene carboxaldehyde (100-52-7)

Listed on the Canadian DSL (Domestic Substances List)

#### Anisic aldehyde (123-11-5)

Listed on the Canadian DSL (Domestic Substances List)

#### Benzyl benzoate (120-51-4)

Listed on the Canadian DSL (Domestic Substances List)

#### Cinnamic aldehyde (104-55-2)

Listed on the Canadian DSL (Domestic Substances List)

#### Ethyl vanillin crystals (121-32-4)

Listed on the Canadian DSL (Domestic Substances List)

#### Eugenol (97-53-0)

Listed on the Canadian DSL (Domestic Substances List)

#### Vanillin (121-33-5)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

#### Benzene carboxaldehyde (100-52-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Anisic aldehyde (123-11-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Benzyl benzoate (120-51-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

## Cinnamic aldehyde (104-55-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

## Ethyl vanillin crystals (121-32-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

## Eugenol (97-53-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Safety Data Sheet

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

#### Vanillin (121-33-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### National regulations

#### Benzene carboxaldehyde (100-52-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active 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) Japanese Pollutant Release and Transfer Register Law (PRTR Law) 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)

#### Anisic aldehyde (123-11-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active 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)

#### Benzyl benzoate (120-51-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active 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 Chemicals Inventory)

## Safety Data Sheet

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

#### Cinnamic aldehyde (104-55-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active 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 Chemicals Inventory)

#### Ethyl vanillin crystals (121-32-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active 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)

#### Eugenol (97-53-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active 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 Chemicals Inventory)

#### Vanillin (121-33-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active 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)

## Safety Data Sheet

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

#### 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   |
|-------------------------------------|--|
| acetoin(513-86-0)                   | U.S New Jersey - Right to Know Hazardous Substance List  |
| acetophenone(98-86-2)               | U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK<br>(Right to Know) List; U.S Massachusetts - Right To Know List; U.S Pennsylvania - RTK<br>(Right to Know) - Environmental Hazard List |
| Benzene carboxaldehyde(100-52-7)    | U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK<br>(Right to Know) List; U.S Massachusetts - Right To Know List  |
| Ethyl alcohol(64-17-5)              | U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK<br>(Right to Know) List; U.S Massachusetts - Right To Know List  |
| Ethyl propionate(105-37-3)          | U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK<br>(Right to Know) List; U.S Massachusetts - Right To Know List  |
| soamyl acetate(123-92-2)            | U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK<br>(Right to Know) List; U.S Massachusetts - Right To Know List; U.S Pennsylvania - RTK<br>(Right to Know) - Environmental Hazard List |
| Propylene glycol(57-55-6)           | U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List   |
| Refined Soybean oil, USP(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-phrases |                                     |
|------------------------|-------------------------------------|
| H227                   | Combustible liquid                  |
| H302                   | Harmful if swallowed                |
| H312                   | Harmful in contact with skin        |
| H315                   | Causes skin irritation              |
| H317                   | May cause an allergic skin reaction |
| H319                   | Causes serious eye irritation       |

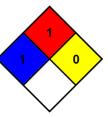
#### NFPA health hazard

NFPA fire hazard

NFPA reactivity

 1 - Materials that, under emergency conditions, can cause significant irritation.
 1 - Materials that must be preheated before ignition can occur.

: 0 - Material that in themselves are normally stable, even under fire conditions.



# Safety Data Sheet

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

The data contained in this Safety Data Sheet is accurate to the best knowledge of the manufacturer, applies to the product as supplied by the manufacturer and does not relate to use in combination with any other material or in any process. Data and information is furnished without warranty expressed or implied, nor does the manufacturer assume responsibility for use or reliance upon this data.

This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body. For the most current SDS information please contact the supplier.