

# Pink Grapefruit #TS111

## Safety Data Sheet

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

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Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture:Pink  
Trade name Grapefruit #TS111 :  
Product code TS111

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

Recommended use : 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:  
+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

|   |      |                                     |
|---|------|-------------------------------------|
| Flammable liquids<br>Category 4         | H227 | Combustible liquid                  |
| Acute toxicity (oral)<br>Category 4     | H302 | Harmful if swallowed                |
| Skin corrosion/irritation<br>Category 2 | H315 | Causes skin irritation              |
| Skin sensitization,<br>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 labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H227 - Combustible liquid  
H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction

Precautionary statements (GHS US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
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 cold insulating gloves, eye protection, face protection, face shield, protective clothing, protective gloves.

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

No additional information available

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

Not applicable

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### 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   | 31.675 – 63.35 | Acute Tox. 4 (Oral), H302  |
| Pink Grapefruit oil terpenes | (CAS-No.) 68917-32-8 | 7 – 14         | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Methyl pamplemousse          | (CAS-No.) 67674-46-8 | 0.75 – 1.5     | Flam. Liq. 4, H227<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Aquatic Chronic 3, H412                          |

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 physician immediately.  |
| 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. Wash contaminated clothing before reuse. If skin irritation occurs: Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see Wash skin with plenty of water, Call a physician immediately on this label). If skin irritation or rash occurs: Get immediate medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Call a physician immediately.   |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell. Do not induce vomiting. Call a physician immediately.  |

#### 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. Harmful if swallowed.                |
| 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                 | : Causes skin irritation. Irritation. May cause an allergic skin reaction.                               |
| Symptoms/effects after eye contact                  | : Causes serious eye damage. Serious damage to eyes.   |
| Symptoms/effects after ingestion                    | : Swallowing a small quantity of this material will result in serious health hazard. Risk of lung edema. |

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

Treat symptomatically.

### 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.                     |

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

|  |   |
|--|---|
| Fire hazard                                      | : Combustible liquid.                             |
| Explosion hazard                                 | : May form flammable/explosive vapor-air mixture. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.                    |

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### 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 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

- |                  |   |
|------------------|---|
| General measures | : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. |
|------------------|---|

#### 6.1.1. For non-emergency personnel

- |                      |  |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
|----------------------|--|

#### 6.1.2. For emergency responders

- |                      |  |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area.  |

### 6.2. Environmental precautions

Avoid release to the environment. 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

- |                         |  |
|-------------------------|--|
| For containment         | : Collect spillage.  |
| Methods for cleaning up | : 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. |
| Other information       | : Dispose of materials or solid residues at an authorized site.  |

### 6.4. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                                   |  |
|-----------------------------------|--|
| Additional hazards when processed | : Handle empty containers with care because residual vapors are flammable. Keep away from heat, sparks and flame. - No smoking.  |
| Precautions for safe handling     | : Ensure good ventilation of the work station. 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. No open flames. No smoking. Avoid breathing dust, fume, gas, mist, spray, vapors. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. 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, including any incompatibilities

- |                            |   |
|----------------------------|---|
| Technical measures         | : Proper grounding procedures to avoid static electricity should be followed.   |
| 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. Keep in fireproof place. Store locked up. Store in a well-ventilated place. Keep cool. |
| Incompatible products      | : Strong bases. Strong acids.   |
| Incompatible materials     | : Sources of ignition. Direct sunlight. Heat sources.   |
| 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

**Pink Grapefruit #TS111**

No additional information available

**Methyl pamplemousse (67674-46-8)**

No additional information available

**Pink Grapefruit oil terpenes (68917-32-8)**

No additional information available

**Benzyl benzoate (120-51-4)****USA - NIOSH - Occupational Exposure Limits**

NIOSH REL (TWA) (mg/m<sup>3</sup>)

≤

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 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. Safety glasses

**Skin and body protection:**

Wear suitable protective clothing

**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  
Color : light yellow amber  
Odor : Citrus fruits  
Odor threshold : No data available  
pH : No data available  
Melting point : Not applicable  
Freezing point : No data available  
Boiling point : No data available  
Flash point : 71 °C  
Relative evaporation rate (butyl acetate=1) : No data available

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|   |                                      |
|---|--------------------------------------|
| Flammability (solid, gas)                       | : Combustible liquid. Non flammable. |
| Vapor pressure                                  | : No data available                  |
| Relative vapor 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                  |
| Explosion limits                                | : No data available                  |
| Explosive properties                            | : No data available                  |
| Oxidizing properties                            | : No data available                  |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapor-air mixture. Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                         |
|-----------------------------|-------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed. |
| Acute toxicity (dermal)     | : Not classified        |
| Acute toxicity (inhalation) | : Not classified        |

|               |                           |
|---------------|---------------------------|
| ATE US (oral) | 779.752 mg/kg body weight |
|---------------|---------------------------|

| Benzyl benzoate (120-51-4) |                        |
|----------------------------|------------------------|
| LD50 oral rat              | 500 mg/kg              |
| LD50 dermal rabbit         | 4000 mg/kg             |
| ATE US (oral)              | 500 mg/kg body weight  |
| ATE US (dermal)            | 4000 mg/kg body weight |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes skin irritation.              |
| Serious eye damage/irritation     | : Not classified                       |
| Respiratory or skin sensitization | : May cause an allergic skin reaction. |
| Germ cell mutagenicity            | : Not classified                       |
| Carcinogenicity                   | : Not classified                       |

|                       |                  |
|-----------------------|------------------|
| Reproductive toxicity | : Not classified |
|-----------------------|------------------|

|                      |                  |
|----------------------|------------------|
| STOT-single exposure | : Not classified |
|----------------------|------------------|

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|   |  |
|---|--|
| 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. Harmful if swallowed.                |
| 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                 | : Causes skin irritation. Irritation. May cause an allergic skin reaction.                               |
| Symptoms/effects after eye contact                  | : Causes serious eye damage. Serious damage to eyes.   |
| Symptoms/effects after ingestion                    | : Swallowing a small quantity of this material will result in serious health hazard. Risk of lung edema. |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |  |
|-------------------|--|
| Ecology - general | : Toxic to aquatic life with long lasting effects. |
|-------------------|--|

| 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   |

### 12.2. Persistence and degradability

| Pink Grapefruit #TS111        |                  |
|-------------------------------|------------------|
| 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

| Pink Grapefruit #TS111    |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Benzyl benzoate (120-51-4)                      |                  |
|---|------------------|
| Partition coefficient n-octanol/water (Log Pow) | 4                |
| Bioaccumulative potential                       | Not established. |

### 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

|  |   |
|--|---|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.   |
| 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. |
| Additional information                     | : Handle empty containers with care because residual vapors are flammable.  |
| Ecology - waste materials                  | : Avoid release to the environment.   |

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

|                   |   |
|-------------------|---|
| Other information | : No supplementary information available. |
|-------------------|---|

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### 15.2. International regulations

##### CANADA

###### Methyl pamplemousse (67674-46-8)

Listed on the Canadian DSL (Domestic Substances List)

###### Pink Grapefruit oil terpenes (68917-32-8)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

###### Methyl pamplemousse (67674-46-8)

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)

##### National regulations

###### Methyl pamplemousse (67674-46-8)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

###### Pink Grapefruit oil terpenes (68917-32-8)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

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

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

#### 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

### SECTION 16: Other information

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Other information : None.

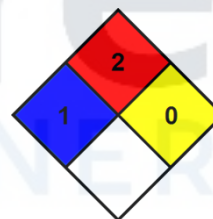
Full text of H-phrases:

|      |  |
|------|--|
| H226 | Flammable liquid and vapour                          |
| H227 | Combustible liquid                                   |
| H302 | Harmful if swallowed                                 |
| H315 | Causes skin irritation                               |
| H317 | May cause an allergic skin reaction                  |
| H319 | Causes serious eye irritation                        |
| H400 | Very toxic to aquatic life                           |
| H410 | Very toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects    |

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

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



SDS US (GHS HazCom 2012)

*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.*