

Product: **Orange Satsuma****1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade Name:** Orange Satsuma**1.2 Relevant identified product use****Intended use:** Compound used in customer substance/mixture/product**1.3 Details of the manufacturer/supplier of the safety data sheet****Manufacturer:** Wellington Fragrance Company
33306 Glendale St.
Livonia, MI 48150
support@wellingtonfragrance.com**1.4 Emergency telephone number****(800) 255-3924** Domestic USA, Canada, Puerto Rico, and US Virgin Islands**+1 813 248-0585** International**2. Hazards Identification****2.1 Classification of the substance or mixture**

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS

| | |
|---------------------------------------|--|
| Acute Toxicity Oral, Category 5 | H303 : May be harmful if swallowed |
| Aspiration Hazard, Category 1 | H304 : May be fatal if swallowed and enters airways |
| Acute Toxicity Dermal, Category 5 | H313 : May be harmful in contact with skin |
| Skin Corrosion/Irritation, Category 2 | H315 : Causes skin irritation |
| Sensitization, Skin, Category 1A | H317 : May cause an allergic skin reaction |
| Acute Toxicity Inhalation, Category 5 | H333 : May be harmful if inhaled |
| Aquatic Acute Toxicity, Category 1 | H400 : Very Toxic to aquatic life |
| Aquatic Chronic Toxicity, Category 2 | H411 : Toxic to aquatic life with long lasting effects |

Classification OSHA (Provisions 1910.1200 of title 29)

| | |
|---------------------------------------|--|
| Flammable Liquids, Category 3 | H226 : Flammable liquid and vapour |
| Aspiration Hazard, Category 1 | H304 : May be fatal if swallowed and enters airways |
| Skin Corrosion/Irritation, Category 2 | H315 : Causes skin irritation |
| Sensitization, Skin, Category 1A | H317 : May cause an allergic skin reaction |
| Reproductive Toxicity, Category 2 | H361 : Suspected of damaging fertility or the unborn child |

Classification Other

Carcinogenicity This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following: None [] ACGIH [] IARC [X] NTP [] OSHA []

2.2 Label elements**Labelling (GHS)****Hazard pictograms**

Product: **Orange Satsuma**



Signal Word: Danger

Hazard statements

| | |
|------|---|
| H226 | Flammable liquid and vapour |
| H303 | May be harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H313 | May be harmful in contact with skin |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H333 | May be harmful if inhaled |
| H361 | Suspected of damaging fertility or the unborn child |
| H400 | Very Toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |

Precautionary Statements

Prevention:

| | |
|------|--|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P233 | Keep container tightly closed |
| P235 | Keep cool |
| P240 | Ground/bond container and receiving equipment |
| P241 | Use explosion-proof electrical/ventilating/light/.../equipment |
| P242 | Use only non-sparking tools |
| P243 | Take precautionary measures against static discharge |
| P264 | Wash hands thoroughly after handling |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P273 | Avoid release to the environment |
| P281 | Use personal protective equipment as required |

Response:

| | |
|--------------------|--|
| P301 + P310 + P331 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting |
| P302 + P352 | IF ON SKIN: Wash with soap and water |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing Rinse skin with water/shower |
| P304 + P312 | IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell |
| P308 + P313 | IF exposed or concerned: Get medical advice/attention |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell |
| P333 + P313 | If skin irritation or a rash occurs: Get medical advice/attention |
| P352 | Wash with soap and water |
| P362 | Take off contaminated clothing and wash before reuse |
| P363 | Wash contaminated clothing before reuse |
| P370 + P378 | In case of fire: Use Carbon dioxide (CO2), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material |

Product: **Orange Satsuma**

P391

Collect Spillage

2.3 Other Hazards

no data available

3. Composition/Information on Ingredients**3.1 Mixtures**

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

| CAS# Ingredient | EC# | Conc. Range | GHS Classification |
|--|-----------|----------------|--|
| 5989-27-5 <i>Limonene</i> | 227-813-5 | 50 - 60 % | H226; H304; H315; H317; H400; H412 |
| 120-51-4 <i>Benzyl Benzoate</i> | 204-402-9 | 30 - 40 % | H302; H313; H400; H411 |
| 105-95-3 <i>Ethylene brassylate</i> | 203-347-8 | 2 - 5 % | H401 |
| 112-31-2 <i>Decanal</i> | 203-957-4 | 1 - 2 % | H227; H316; H319; H401; H412 |
| 8008-31-9 <i>Citrus nobilis (Mandarin Orange) peel oil</i> | 297-672-2 | 1 - 2 % | H226; H304; H315; H317; H361; H401; H411 |
| 124-13-0 <i>Octanal</i> | 204-683-8 | 1 - 2 % | H226; H315; H319; H401; H412 |
| 123-35-3 <i>beta-Myrcene</i> | 204-622-5 | 1 - 2 % | H226; H304; H315; H319; H400; H411 |
| 80-56-8 <i>pinene</i> | 201-291-9 | 0.1 - 1.0 % | H226; H302; H304; H315; H317; H400; H410 |
| 5392-40-5 <i>Citral</i> | 226-394-6 | 0.1 - 1.0 % | H313; H315; H317; H319; H401 |
| 99-85-4 <i>gamma-Terpinene</i> | 202-794-6 | 0.1 - 1.0 % | H226; H303; H304; H316; H361 |
| 78-70-6 <i>Linalool</i> | 201-134-4 | 0.1 - 1.0 % | H227; H303; H315; H317; H319; H402 |
| 127-91-3 <i>beta Pinene</i> | 204-872-5 | 0.1 - 1.0 % | H226; H304; H315; H317; H400; H410 |
| 13466-78-9 <i>delta-3-Carene</i> | 236-719-3 | 0.1 - 1.0 % | H226; H303; H304; H315; H317; H332; H401; H411 |
| 91-64-5 <i>Coumarin</i> | 202-086-7 | 0.1 - 1.0 % | H301; H317; H402 |
| 19009-56-4 <i>2-Methyldecanal (Aldehyde MOA)</i> | 242-745-6 | 0.1 - 1.0 % | H315; H317; H401; H411 |
| 4180-23-8 <i>Anethole</i> | 224-052-0 | 0.1 - 1.0 % | H303; H316; H317; H401 |

Product: **Orange Satsuma**

| CAS# Ingredient | EC# | Conc. Range | GHS Classification |
|--------------------|-----|----------------|--------------------|
|--------------------|-----|----------------|--------------------|

See Section 16 for full text of GHS classification codes

See Section 16 for full text of GHS classification codes which were not shown in section 2

Total Hydrocarbon Content (% w/w) = 60.64

4. First Aid Measures

4.1 Description of first aid measures

| | |
|-----------------------|--|
| Inhalation: | Remove from exposure site to fresh air and keep at rest. Obtain medical advice. |
| Eye Exposure: | Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist. |
| Skin Exposure: | Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist. |
| Ingestion: | Rinse mouth with water and obtain medical advice. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|------------------|--|
| Symptoms: | no data available |
| Risks: | Refer to Section 2.2 "Hazard Statements" |

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|-------------------|---------------------------------|
| Treatment: | Refer to Section 2.2 "Response" |
|-------------------|---------------------------------|

5. Fire-Fighting measures

5.1 Extinguishing media

| | |
|-------------------|---|
| Suitable: | Carbon dioxide (CO2), Dry chemical, Foam |
| Unsuitable | Do not use a direct water jet on burning material |

5.2 Special hazards arising from the substance or mixture

| | |
|------------------------------|--------------------------|
| During fire fighting: | Water may be ineffective |
|------------------------------|--------------------------|

5.3 Advice for firefighters

| | |
|-----------------------------|---------------------------------------|
| Further information: | Standard procedure for chemical fires |
|-----------------------------|---------------------------------------|

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits:

| Component | ACGIH TWA ppm | ACGIH STEL ppm | OSHA TWA ppm | OSHA STEL ppm |
|----------------------------------|------------------|-------------------|-----------------|------------------|
| 80-56-8 <i>pinene</i> | | | 20 | |
| 127-91-3 <i>beta Pinene</i> | | | 20 | |
| 13466-78-9 <i>delta-3-Carene</i> | | | 20 | |

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|------------------------------|----------------------|
| Appearance: | Liquid |
| Odor: | Conforms to Standard |
| Color: | Conforms to Standard |
| Viscosity: | Liquid |
| Freezing Point: | Not determined |
| Boiling Point: | Not determined |
| Melting Point: | Not determined |
| Flashpoint (CCCFP): | 136 F (57.78 C) |
| Auto flammability: | Not determined |
| Explosive Properties: | None Expected |

| | |
|------------------------------------|----------------|
| Oxidizing properties: | None Expected |
| Vapor Pressure (mmHg@20 C): | 0.6008 |
| %VOC: | 62.38 |
| Specific Gravity @ 25 C: | Not determined |
| Density (g/mL) @ 25 C: | Not determined |
| Refractive Index @ 20 C: | Not determined |
| Soluble in: | Oil |

10. Stability and Reactivity

| | |
|--|--|
| 10.1 Reactivity | None |
| 10.2 Chemical stability | Stable |
| 10.3 Possibility of hazardous reactions | None known |
| 10.4 Conditions to avoid | None known |
| 10.5 Incompatible materials | Strong oxidizing agents, strong acids, and alkalis |
| 10.6 Hazardous decomposition products | None known |

11. Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

| | |
|---|--|
| Acute toxicity - Oral - (Rat) mg/kg | (LD50: 2763.6981) May be harmful if swallowed |
| Acute toxicity - Dermal - (Rabbit) mg/kg | (LD50: 4531.0398) May be harmful in contact with skin |
| Acute toxicity - Inhalation - (Rat) mg/L/4hr | (LD50: 317.6819) May be harmful if inhaled |
| Skin corrosion / irritation | Causes skin irritation |
| Serious eye damage / irritation | Not classified - the classification criteria are not met |
| Respiratory sensitization | Not classified - the classification criteria are not met |
| Skin sensitization | May cause an allergic skin reaction |
| Germ cell mutagenicity | Not classified - the classification criteria are not met |
| Carcinogenicity | Not classified - the classification criteria are not met |
| Reproductive toxicity | Suspected of damaging fertility or the unborn child |
| Specific target organ toxicity - single exposure | Not classified - the classification criteria are not met |
| Specific target organ toxicity - repeated exposure | Not classified - the classification criteria are not met |
| Aspiration hazard | May be fatal if swallowed and enters airways |

12. Ecological Information

12.1 Toxicity

| | |
|-----------------------------|---|
| Acute aquatic toxicity | Very Toxic to aquatic life |
| Chronic aquatic toxicity | Toxic to aquatic life with long lasting effects |
| Toxicity Data on soil | no data available |
| Toxicity on other organisms | no data available |

12.2 Persistence and degradability no data available

12.3 Bioaccumulative potential no data available

12.4 Mobility in soil no data available

12.5 Other adverse effects no data available

13. Disposal Conditions

13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. Transport Information

Marine Pollutant Yes. Ingredient of greatest environmental impact :
5989-27-5 : (50 - 60 %) : Limonene

| Regulator | Class | Pack Group | Sub Risk | UN-nr. |
|---|-------|------------|------------------|--------|
| U.S. DOT (Non-Bulk) | | | | |
| Perfumery Products | 3 | III | Flammable Liquid | UN1266 |
| ADR/RID (International Road/Rail) | | | | |
| Environmentally Hazardous Substance, Liquid, n.o.s. | 9 | III | | UN3082 |
| IATA (Air Cargo) | | | | |
| Perfumery Products | 3 | III | Flammable Liquid | UN1266 |
| Environmentally Hazardous Substance, Liquid, n.o.s. | 9 | III | | UN3082 |
| IMDG (Sea) | | | | |
| Perfumery Products | 3 | III | Flammable Liquid | UN1266 |
| Environmentally Hazardous Substance, Liquid, n.o.s. | 9 | III | | UN3082 |

15. Regulatory Information

U.S. Federal Regulations

| | |
|--|--|
| TSCA (Toxic Substance Control Act) | All components of the substance/mixture are listed or exempt |
| 40 CFR(EPCRA, SARA, CERCLA and CAA) | This product contains NO components of concern. |

Product: **Orange Satsuma**

U.S. State Regulations

California Proposition 65 Warning
123-35-3(NF 204-622-5 1 - 2 %

This product contains the following components:
beta-Myrcene (Natural Source)

Canadian Regulations

DSL
129520-41-8 407-562-0 0.1 - 1.0 %

100.00% of the components are listed or exempt. The following components are NOT on the List:
4,7-methano-3aH-indene-3a-carboxylic acid, octahydro-, ethyl ester

16. Other Information

GHS H-Statements referred to under section 3 and not listed in section 2

- | | |
|--|---|
| H227 : Combustible liquid | H301 : Toxic if swallowed |
| H302 : Harmful if swallowed | H316 : Causes mild skin irritation |
| H317 : May cause an allergic skin reaction | H319 : Causes serious eye irritation |
| H332 : Harmful if inhaled | H401 : Toxic to aquatic life |
| H402 : Harmful to aquatic life | H410 : Very toxic to aquatic life with long lasting effects |
| H412 : Harmful to aquatic life with long lasting effects | |

Total Fractional Values

- | | |
|---|--|
| (TFV) Risk | (TFV) Risk |
| (58.25) Sensitization, Skin, Category 1B | (18.73) Aquatic Chronic Toxicity, Category 3 |
| (15.74) Acute Toxicity Inhalation, Category 5 | (15.00) Reproductive Toxicity, Category 2 |
| (15.00) Sensitization, Skin, Category 1 | (15.00) Sensitization, Skin, Category 1A |
| (6.73) Skin Corrosion/Irritation, Category 3 | (6.43) Skin Corrosion/Irritation, Category 2 |
| (6.21) Aspiration Hazard, Category 1 | (3.82) Aquatic Chronic Toxicity, Category 4 |
| (3.61) Aquatic Acute Toxicity, Category 1 | (1.81) Acute Toxicity Oral, Category 5 |
| (1.63) Aquatic Chronic Toxicity, Category 2 | (1.10) Acute Toxicity Dermal, Category 5 |

Department issuing data sheet: Wellington Fragrance Company
Department E-mail address: support@wellingtonfragrance.com

Remarks

This safety data sheet is based on the properties of the material known to Wellington Fragrance Company at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Wellington Fragrance holds no responsibility. This document is not intended for quality assurance purposes.