



# SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg

**Version:** 1

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

### 1.1 Product Identifier

**Product identifier:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg (Contains:Furaneol, Nicotine Benzoate, WS23)

**Other identifiers:** None

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

**Product uses:** E-liquids and Mixtures for Electronic Cigarettes

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

**Company name:** Pukka Juice

**Company address:** Unit BR8  
2nd Floor IK Business Park  
Blakewater Road  
Blackburn  
BB1 5FB

**Contact:** Technical Department

**E-Mail address:** info@pukkajuce.co.uk

**Company phone:** 01254949600

### 1.4 Emergency telephone number

**Emergency phone:** 0845 4647 or 111

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

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

**Class and category of danger:** Acute Toxicity - Oral Category 3  
Eye Damage / Irritation Category 2  
Sensitization - Skin Category 1  
H301, Toxic if swallowed.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.

### 2.2 Label elements

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

**Signal word:** Danger

**Hazard statements:** H301, Toxic if swallowed.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.



# SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg

**Version:** 1

**Supplemental Information:** EUH208, Contains Methyl Cinnamate. May produce an allergic reaction.

**Precautionary statements:**

- P261, Avoid breathing vapour or dust.
- P264, Wash hands and other contacted skin thoroughly after handling.
- P270, Do not eat, drink or smoke when using this product.
- P272, Contaminated work clothing should not be allowed out of the workplace.
- P280, Wear protective gloves/eye protection/face protection.
- P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302/352, IF ON SKIN: Wash with plenty of soap and water.
- P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P330, Rinse mouth.
- P333/313, If skin irritation or rash occurs: Get medical advice/attention.
- P337/313, If eye irritation persists: Get medical advice/attention.
- P363, Wash contaminated clothing before reuse.
- P405, Store locked up.
- P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:**



## 2.3 Other hazards

**Other hazards:** Sensitisers declared on a CLP Methyl Cinnamate  
Hazard Label:  
Hydrocarbon Concentration %: 0.0000%

## Section 3. Composition / information on ingredients

### 3.2 Mixtures

**Contains:**

| Name              | CAS        | EC        | REACH Registration No. | %     | Classification for (CLP) 1272/2008  | Specific Conc. Limits, M-factors and ATEs  |
|-------------------|------------|-----------|------------------------|-------|---|--|
| WS23              | 51115-67-4 | 256-974-4 |                        | 4.88% | Acute Tox. 4;H302,-   | oral: ATE = 490 mg/kg bw   |
| Nicotine Benzoate | 88660-53-1 | 828-490-9 |                        | 2.00% | Acute Tox. 2-Acute Tox. 2-Acute Tox. 2-Aquatic Chronic 2; H300-H310-H330-H411,- | inhalation: ATE = 0.19 -<br>dermal: ATE = 70<br>mg/kg bw-oral: ATE = 5<br>mg/kg bw |



# SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg**Version:** 1

|                      |           |           |  |       |   |   |
|----------------------|-----------|-----------|--|-------|---|---|
| Ethyl Butyrate       | 105-54-4  | 203-306-4 |  | 1.04% | Flam. Liq. 3-Eye Irrit. 2; H226-H319,-  |   |
| Acetic Acid          | 64-19-7   | 200-580-7 |  | 0.39% | Flam. Liq. 3-Acute Tox. 4-Skin Corr. 1A-Eye Dam. 1;H226-H312-H314,-                         | dermal: ATE = 1100 mg/kg bw-oral: ATE = 3540 mg/kg bw |
| Furaneol             | 3658-77-3 | 222-908-8 |  | 0.33% | Acute Tox. 4-Skin Corr. 1B-Eye Dam. 1-Skin Sens. 1A-Aquatic Chronic 2;H302-H314-H317-H411,- | oral: ATE = 1608 mg/kg bw                             |
| Methyl Cinnamate     | 103-26-4  | 203-093-8 |  | 0.12% | Skin Sens. 1B;H317,-  | oral: ATE = 2610 mg/kg bw                             |
| ETHYL LACTATE        | 97-64-3   |           |  | 0.11% | Flam. Liq. 3-Eye Dam. 1-STOT SE 3;H226-H318-H335,-  |   |
| 2-Methylbutyric Acid | 116-53-0  | 204-145-2 |  | 0.11% | Acute Tox. 4-Acute Tox. 4-Skin Corr. 1B-Eye Dam. 1;H302-H312-H314,-                         | dermal: ATE = 1600 mg/kg bw-oral: ATE = 1760 mg/kg bw |

**Substances with Community workplace exposure limits:**

| Name                | CAS     | EC        | REACH Registration No. | %      | Classification for (CLP) 1272/2008 | Specific Conc. Limits, M-factors and ATEs |
|---------------------|---------|-----------|------------------------|--------|------------------------------------|---|
| Propane-1,2-diol    | 57-55-6 | 200-338-0 |                        | 39.55% | -;-,-                              |   |
| VEGETABLE GLYCERINE | 56-81-5 |           |                        | 45.00% | -;-,-                              |   |

**Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:**

Not Applicable

**Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:**

Not Applicable

## Section 4. First-aid measures

### 4.1 Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.**Eye exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**Skin exposure:** IF ON SKIN: Wash with plenty of soap and water.**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

Toxic if swallowed.

May cause an allergic skin reaction.

Causes serious eye irritation.



## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg

**Version:** 1

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

None expected, see Section 4.1 for further information.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

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

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

### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

## Section 6. Accidental release measures

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

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

### 6.2 Environmental precautions:

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

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

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

### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling:

Do not eat, drink or smoke when using this product.

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

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



## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg

**Version:** 1

### 7.3 Specific end use(s):

E-liquids and Mixtures for Electronic Cigarettes: Use in accordance with good manufacturing and industrial hygiene practices.

### Section 8. Exposure controls/personal protection

#### 8.1 Control parameters

Workplace exposure limits:

| Ingredient          | CAS     | EC        | Description   | Value |
|---------------------|---------|-----------|---|-------|
| Propane-1,2-diol    | 57-55-6 | 200-338-0 | Long-term exposure limit (8-hour TWA)<br>(mg/m <sup>3</sup> ) | 10    |
| VEGETABLE GLYCERINE | 56-81-5 |           | Long-term exposure limit (8-hour TWA)<br>(mg/m <sup>3</sup> ) | 10    |

#### 8.2 Exposure Controls

##### Eye / Skin Protection

Wear protective gloves/eye protection/face protection

##### Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

### Section 9. Physical and chemical properties

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

|  |                |
|--|----------------|
| <b>Physical State/Colour:</b>                                    | Not determined |
| <b>Odour:</b>  | Not determined |
| <b>Odour threshold:</b>  | Not determined |
| <b>Melting point / freezing point:</b>                           | Not determined |
| <b>Boiling point or initial boiling point and boiling range:</b> | Not determined |
| <b>Flammability:</b>   | Not determined |
| <b>Lower and upper explosion limit:</b>                          | Not determined |
| <b>Flash point:</b>  | > 60 °C        |
| <b>Auto-ignition temperature:</b>                                | Not determined |



## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg

**Version:** 1

|  |                |
|--|----------------|
| <b>Decomposition temperature:</b>                          | Not relevant   |
| <b>pH:</b>   | Not determined |
| <b>Kinematic viscosity:</b>                                | Not determined |
| <b>Solubility:</b>   | Not determined |
| <b>Partition coefficient: n-octanol/water (log value):</b> | Not determined |
| <b>Vapour pressure:</b>                                    | Not determined |
| <b>Density and/or relative density:</b>                    | Not determined |
| <b>Relative vapour density:</b>                            | Not determined |
| <b>Particle characteristics:</b>                           | Not determined |

**9.2 Other information:** None available

### Section 10. Stability and reactivity

#### **10.1 Reactivity:**

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

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

Good stability under normal storage conditions.

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

Not expected under normal conditions of use.

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

Avoid extreme heat.

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

Avoid contact with strong acids, alkalis or oxidising agents.

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

Not expected.

### Section 11. Toxicological information

#### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

|   |  |
|---|--|
| <b>Acute Toxicity:</b>                    | Acute Toxicity - Oral Category 3                                 |
| Acute Toxicity Oral                       | 244  |
| Acute Toxicity Dermal                     | 2500   |
| Acute Toxicity Inhalation                 | Not Available  |
| <b>Skin corrosion/irritation:</b>         | Based on available data the classification criteria are not met. |
| <b>Serious eye damage/irritation:</b>     | Eye Damage / Irritation Category 2                               |
| <b>Respiratory or skin sensitisation:</b> | Sensitization - Skin Category 1                                  |
| <b>Germ cell mutagenicity:</b>            | Based on available data the classification criteria are not met. |



## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg

**Version:** 1

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

**Reproductive toxicity:** Based on available data the classification criteria are not met.

**STOT-single exposure:** Based on available data the classification criteria are not met.

**STOT-repeated exposure:** Based on available data the classification criteria are not met.

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

### Information about hazardous ingredients in the mixture

| Ingredient        | CAS        | EC        | LD50/ATE<br>Oral (mg/kg) | LD50/ATE<br>Dermal (mg/kg) | LC50/ATE<br>Inhalation | LC50<br>Route |
|-------------------|------------|-----------|--------------------------|----------------------------|------------------------|---------------|
| Nicotine Benzoate | 88660-53-1 | 828-490-9 | 5                        | 50                         | 0.5                    | Not available |
| WS23              | 51115-67-4 | 256-974-4 | 490                      | Not available              | Not available          | Not available |

Refer to Sections 2 and 3 for additional information.

### 11.2 Information on other hazards

Not Applicable

### Section 12. Ecological information

**12.1 Toxicity:** Not available

**12.2 Persistence and degradability:** Not available

**12.3 Bioaccumulative potential:** Not available

**12.4 Mobility in soil:** Not available

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

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

**12.6 Endocrine disrupting properties:** Not Applicable

**12.7 Other adverse effects:** Not available

### Section 13. Disposal considerations

#### 13.1 Waste treatment methods:

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

### Section 14. Transport information

|                                 | 14.1 UN<br>number: | 14.2 UN Proper Shipping Name:                              | 14.3<br>Transport<br>hazard class<br>(es): | Sub Risk: | 14.4 Packing<br>Group: |
|---------------------------------|--------------------|--|--|-----------|------------------------|
| <b>UN Model<br/>Regulations</b> | UN2810             | TOXIC LIQUID, ORGANIC, N.O.S.<br>(Nicotine Benzoate, WS23) | 6.1  | -         | III                    |
| <b>IMDG</b>                     | UN2810             | TOXIC LIQUID, ORGANIC, N.O.S.<br>(Nicotine Benzoate, WS23) | 6.1  | -         | III                    |



## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg**Version:** 1

|                    |        |  |     |   |     |
|--------------------|--------|--|-----|---|-----|
| <b>ADR,RID,ADN</b> | UN2810 | TOXIC LIQUID, ORGANIC, N.O.S.<br>(Nicotine Benzoate, WS23) | 6.1 | - | III |
| <b>ICAO TI</b>     | UN2810 | TOXIC LIQUID, ORGANIC, N.O.S.<br>(Nicotine Benzoate, WS23) | 6.1 | - | III |

**14.5 Environmental hazards:** Not environmentally hazardous for transport**14.6 Special precautions for user:** None additional**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

### Section 15. Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

None additional

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out for this product.

### Section 16. Other information

**Concentration % Limits:** EDI 2=95.79% SS 1=30.30%**Total Fractional Values:** EDI 2=1.04 SS 1=3.30**Key to revisions:**

Not applicable

**Key to abbreviations:**

| Abbreviation      | Meaning  |
|-------------------|--|
| Acute Tox. 2      | Acute Toxicity - Oral Category 2                                   |
| Acute Tox. 2      | Acute Toxicity - Dermal Category 2                                 |
| Acute Tox. 2      | Acute Toxicity - Inhalation Category 2                             |
| Acute Tox. 4      | Acute Toxicity - Oral Category 4                                   |
| Acute Tox. 4      | Acute Toxicity - Dermal Category 4                                 |
| Aquatic Chronic 2 | Hazardous to the Aquatic Environment - Long-term Hazard Category 2 |
| Eye Dam. 1        | Eye Damage / Irritation Category 1                                 |
| Eye Irrit. 2      | Eye Damage / Irritation Category 2                                 |
| Flam. Liq. 3      | Flammable Liquid, Hazard Category 3                                |
| H226              | Flammable liquid and vapour.                                       |
| H300              | Fatal if swallowed.  |
| H302              | Harmful if swallowed.  |
| H310              | Fatal in contact with skin.  |
| H312              | Harmful in contact with skin.                                      |
| H314              | Causes severe skin burns and eye damage.                           |
| H317              | May cause an allergic skin reaction.                               |



## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg

**Version:** 1

|              |  |
|--------------|--|
| H318         | Causes serious eye damage.   |
| H319         | Causes serious eye irritation.   |
| H330         | Fatal if inhaled.  |
| H335         | May cause respiratory irritation.  |
| H411         | Toxic to aquatic life with long lasting effects.   |
| P210         | Keep away from heat, sparks, open flames and hot surfaces. - No smoking.   |
| P233         | Keep container tightly closed.   |
| P240         | Ground/bond container and receiving equipment.   |
| P241         | Use explosion-proof electrical, ventilating and lighting equipment.  |
| P242         | Use only non-sparking tools.   |
| P243         | Take precautionary measures against static discharge.  |
| P260         | Do not breathe vapour or dust.   |
| P261         | Avoid breathing vapour or dust.  |
| P262         | Do not get in eyes, on skin or on clothing.  |
| P264         | Wash hands and other contacted skin thoroughly after handling.   |
| P270         | Do not eat, drink or smoke when using this product.  |
| P271         | Use only outdoors or in a well-ventilated area.  |
| P272         | Contaminated work clothing should not be allowed out of the workplace.   |
| P273         | Avoid release to the environment.  |
| P280         | Wear protective gloves/eye protection/face protection.   |
| P284         | Wear respiratory protection.   |
| P301/310     | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  |
| P301/312     | IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.   |
| P301/330/331 | If swallowed: Rinse mouth. Do not induce vomiting.   |
| P302/350     | IF ON SKIN: Gently wash with plenty of soap and water.   |
| P302/352     | IF ON SKIN: Wash with plenty of soap and water.  |
| P303/361/353 | IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.                       |
| P304/340     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                 |
| P305/351/338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310         | Immediately call a POISON CENTER or doctor/physician.  |
| P330         | Rinse mouth.   |
| P333/313     | If skin irritation or rash occurs: Get medical advice/attention.   |
| P337/313     | If eye irritation persists: Get medical advice/attention.  |
| P361         | Remove/Take off immediately all contaminated clothing.   |
| P363         | Wash contaminated clothing before reuse.   |
| P370/378     | In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  |
| P391         | Collect spillage.  |
| P403/233     | Store in a well-ventilated place. Keep container tightly closed.   |
| P403/233/235 | Store in a well-ventilated place. Keep container tightly closed. Keep cool.  |
| P403/235     | Store in a well-ventilated place. Keep cool.   |
| P405         | Store locked up.   |



## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pukka Juice 5000+ - Blueberry Strawberry Burst 20mg

**Version:** 1

|               |  |
|---------------|--|
| P501          | Dispose of contents/container to approved disposal site, in accordance with local regulations. |
| STOT SE 3     | Specific Target Organ Toxicity (Single Exposure) Category 3                                    |
| Skin Corr. 1A | Skin Corrosion / Irritation Category 1A  |
| Skin Corr. 1B | Skin Corrosion / Irritation Category 1B  |
| Skin Sens. 1A | Sensitization - Skin Category 1A   |
| Skin Sens. 1B | Sensitization - Skin Category 1B   |

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