



SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Pukka Juice 5000 + - Frosty Forest Berries 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 + - Frosty Forest Berries 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
Sensitization - Skin Category 1
H301, Toxic if swallowed.
H317, May cause an allergic skin reaction.

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.

Supplemental Information: EUH208, Contains D-LIMONENE. May produce an allergic reaction.



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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.
 P330, Rinse mouth.
 P333/313, If skin irritation or rash occurs: 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 D-LIMONENE
 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		1-<5%	Acute Tox. 4;H302,-	oral: ATE = 490 mg/kg bw
Nicotine Benzoate	88660-53-1	828-490-9		1-<5%	Acute Tox. 2-Acute Tox. 2-Acute Tox. 2-Aquatic Chronic 2; H300-H310-H330-H411,-	inhalation: ATE = 0.19 - dermal: ATE = 70 mg/kg bw-oral: ATE = 5 mg/kg bw
Acetic Acid	64-19-7	200-580-7		0.1-<1%	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



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Furaneol	3658-77-3	222-908-8		0.1-<1%	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
D-LIMONENE	5989-27-5			0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 3; H226-H304-H315-H317-H400-H412,-	M = 1

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		20-<50%	-;-,-	
VEGETABLE GLYCERINE	56-81-5			20-<50%	-;-,-	

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:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.**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.

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.



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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.

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:



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

Physical State/Colour:	Not determined
Odour:	Not determined
Odour threshold:	Not determined
Melting point / freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	> 60 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	Not determined



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Relative vapour density: Not determined

Particle characteristics: 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).

Acute Toxicity:	Acute Toxicity - Oral Category 3
Acute Toxicity Oral	249
Acute Toxicity Dermal	2550
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Based on available data the classification criteria are not met.
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
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



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Ingredient	CAS	EC	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 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 number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Nicotine Benzoate, WS23)	6.1	-	III
IMDG	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Nicotine Benzoate, WS23)	6.1	-	III
ADR,RID,ADN	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Nicotine Benzoate, WS23)	6.1	-	III
ICAO TI	UN2810	TOXIC LIQUID, ORGANIC, N.O.S. (Nicotine Benzoate, WS23)	6.1	-	III

14.5 Environmental hazards: Not environmentally hazardous for transport

14.6 Special precautions for user: None additional



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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: SS 1=51.00%

Total Fractional Values: SS 1=1.96

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 Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Eye Dam. 1	Eye Damage / Irritation Category 1
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
H226	Flammable liquid and vapour.
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.



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H412	Harmful 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.
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.
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.
P331	Do not induce vomiting.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P361	Remove/Take off immediately all contaminated clothing.
P362	Take off contaminated clothing and wash before reuse.
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.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
Skin Corr. 1A	Skin Corrosion / Irritation Category 1A
Skin Corr. 1B	Skin Corrosion / Irritation Category 1B
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1A	Sensitization - Skin Category 1A
Skin Sens. 1B	Sensitization - Skin Category 1B



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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.