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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product Identifier</b>	
<b>Product Name:</b>	Banana Concentrate
<b>Product Code (SDS No.):</b>	V20331
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against:</b>	
<b>Use:</b>	Concentrated aromatic raw material. Not for personal use in this form or concentration. For manufacturing use only.
<b>Uses advised against:</b>	Any use other than recommended use.
<b>1.3 Details of the supplier of the Safety Data Sheet:</b>	
<b>Name of Supplier:</b>	Flavour Warehouse LTD
<b>Address:</b>	Global Way, Darwen, Lancashire, BB3 ORW
<b>Tel:</b>	+44 1254 460124
<b>E-mail:</b>	<a href="mailto:tpd@vampirevape.co.uk">tpd@vampirevape.co.uk</a>
<b>1.4 Emergency telephone number</b>	
<b>Emergency Phone No.</b>	+44 1254 460124
<b>National Response Center</b>	National Poisons Information Service (Birmingham Centre)
<b>Address</b>	City Hospital, Dudley Road, Birmingham, United Kingdom,
<b>Emergency Phone No.</b>	+00 448 706 006 266 NHS Direct – 0845 4647 or 111

## SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>Regulation (EC) No. 1272/2008 (CLP)</b>	Not classified as dangerous for supply/use.
<b>2.2 Label elements – According to Regulation (EC) No. 1272/2008 (CLP)</b>	
<b>Hazard Pictograms(s)</b>	None.
<b>Signal Word(s)</b>	None.
<b>Hazard Statement(s)</b>	None.
<b>Precautionary Statement(s)</b>	None.
<b>2.3 Other hazards</b>	
	None Known.
<b>2.4 Additional Information</b>	
	None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.1 Substances</b>					
	Not applicable.				
<b>3.2 Mixtures</b>					
HAZARDOUS INGREDIENT(S)	CAS No.	EC No. REACH Reg. No.	%W/W	HAZARD STATEMENT(S)	HAZARD PICTOGRAM(S)
Propane-1,2-diol	57-55-6	200-338-0	<97	Not Classified	None

## SECTION 4: FIRST AID MEASURES

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<b>4.1 Description of first aid measures</b>	
<b>Inhalation</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Skin Contact</b>	Wash skin with water.
<b>Eye Contact</b>	Flush eyes with water for at least 15 minutes.
<b>Ingestion</b>	Wash out mouth with water.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
	None anticipated. Treat symptomatically.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
	Unlikely to be required but if necessary treat symptomatically.

<b>SECTION 5: FIREFIGHTING MEASURES</b>	
<b>5.1 Extinguishing media</b>	
<b>Suitable Extinguishing media</b>	As appropriate for surrounding fire.
<b>Unsuitable extinguishing media</b>	None.
<b>5.2 Special hazards arising from the substance or mixture</b>	
	None anticipated. Heating may cause decomposition.
<b>5.3 Advice for firefighters</b>	
	As appropriate for surrounding fire.

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
	Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.
<b>6.2 Environmental precautions</b>	
	Do not release large quantities into the surface water or into drains.
<b>6.3 Methods and material for containment and cleaning up</b>	
	Adsorb spillages onto sand, earth or any suitable adsorbent material.
<b>6.4 Reference to other sections</b>	
	See Also Section 8, 13.

<b>SECTION 7: HANDLING AND STORAGE</b>	
<b>7.1 Precautions for safe handling</b>	
	Not known.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Storage temperature</b>	Ambient.
<b>Storage life</b>	Stable under normal conditions.
<b>Incompatible materials</b>	None known.
<b>7.3 Specific end use(s)</b>	
	Flavour Concentrate for use in producing E-Liquid.

<b>SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>						
<b>8.1 Control parameters</b>						
<b>8.1.1 Occupational Exposure Limits</b>						
SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note

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Propane-1,2-diol total vapour and particulates	57-55-6	150	474			
Propane-1,2-diol particulates	57-55-6		10			
Propane-1,2-diol total vapour and particulates	57-55-6	150	474			Comp.
Pentyl acetates (all isomers)	123-92-2	50	270	100	541	
Isopentylacetate	123-92-2	50	270	100	540	IOELV
<b>REGION</b>			<b>SOURCE</b>			
EU			EU Occupational Exposure Limits			
UNITED KINGDOM			Workplace Exposure Limits (WEL)			
<b>Remark</b>			<b>Notes</b>			
IOELV			Indicative Occupational Exposure Limit Value			
<b>8.2 Exposure Controls</b>						
<b>8.2.1 Appropriate engineering controls</b>		Ensure adequate ventilation.				
<b>8.2.2 Personal protection equipment</b>						
<b>Eye Protection</b>		Wear eye protection with side protection (EN166).				
<b>Skin Protection</b>		Wear suitable gloves if prolonged skin contact is likely.				
<b>Respiratory Protection</b>		Handling of larger amounts a suitable mask with filter type A (EN14387 or EN405) may be appropriate.				
<b>Thermal Hazards</b>		None known.				
<b>8.2.3 Environmental Exposure Controls</b>		Do not release large quantities into the surface water or into drains.				

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>9.1 Information on basic physical and chemical properties</b>	
<b>Appearance</b>	Liquid
<b>Colour</b>	Clear colourless to Straw Colour
<b>Odour</b>	Characteristic of Banana
<b>Odour threshold</b>	Not known.
<b>pH</b>	Not known.
<b>Melting point/freezing point</b>	Not known.
<b>Initial boiling point and boiling range</b>	Not known.
<b>Flash Point</b>	>63°C
<b>Evaporation rate</b>	Not known.
<b>Flammability (solid, gas)</b>	Not known.
<b>Upper/lower flammability or explosive limits</b>	Not known.
<b>Vapour pressure</b>	Not known.
<b>Vapour density</b>	Not known.
<b>Density (g/ml)</b>	Not known.
<b>Relative density</b>	1.031 +/- 0.02
<b>Solubility(ies)</b>	Solubility (Water): Not known. Solubility (other): Not known.
<b>Partition coefficient: n-octanol/water</b>	Not known.
<b>Auto-ignition temperature</b>	Not known.
<b>Decomposition Temperature (°C)</b>	Not known.
<b>Viscosity</b>	Not known.
<b>Explosive properties</b>	Not known.

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<b>Oxidising properties</b>	Not known.
<b>9.2 Other Information</b>	
	None.

<b>SECTION 10: STABILITY AND REACTIVITY</b>	
<b>10.1 Reactivity</b>	None anticipated.
<b>10.2 Chemical Stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazardous reactions known is used for its intended purpose
<b>10.4 Conditions to avoid</b>	None anticipated.
<b>10.5 Incompatible materials</b>	Not known.
<b>10.6 Hazardous decomposition products</b>	No hazardous decomposition products known.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	
<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity – Ingestion</b>	Not classified.
<b>Acute toxicity – Skin Contact</b>	Not classified.
<b>Acute toxicity – Inhalation</b>	Not classified.
<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/irritation</b>	Not classified.
<b>Skin sensitization data</b>	Not classified.
<b>Respiratory sensitization data</b>	Not classified.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive toxicity</b>	Not classified.
<b>Lactation</b>	Not classified.
<b>STOT – single exposure</b>	Not classified.
<b>STOT – repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>11.2 Other information</b>	
	Not known.

<b>SECTION 12: ECOLOGICAL INFORMATION</b>	
<b>12.1 Toxicity</b>	
<b>Toxicity – Aquatic invertebrates</b>	Low toxicity to invertebrates.
<b>Toxicity – Fish</b>	Low toxicity to fish.
<b>Toxicity – Algae</b>	Low toxicity t algae.
<b>Toxicity – Sediment Compartment</b>	Not classified.
<b>Toxicity – Terrestrial Compartment</b>	Not classified.
<b>12.2 Persistence and Degradation</b>	
	Not known.
<b>12.3 Bio accumulative potential</b>	
	Not known.
<b>12.4 Mobility in soil</b>	
	Not known.
<b>12.5 Results of PBT and vPvB assessment</b>	

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	Not known.
<b>12.6 Other adverse effects</b>	
	Not known.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	
	No special precautions are required for this product.
<b>13.2 Additional Information</b>	
	No special precautions are required for this product.

### SECTION 14: TRANSPORT INFORMATION

<b>14.1 UN Number</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>UN Number:</b>	None assigned.	None assigned.	None assigned.
<b>14.2 UN Proper Shipping Name</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>UN Proper Shipping Name:</b>	None assigned.	None assigned.	None assigned.
<b>14.3 Transport Hazard Class(es)</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>Transport Class</b>	None assigned.	None assigned.	None assigned.
<b>14.4 Packing Group</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>Packing Group:</b>	None assigned.	None assigned.	None assigned.
<b>14.5 Environment Hazards</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>Environmental Hazards:</b>	Not classified as a Marine Pollutant.	Not classified as a Marine Pollutant.	Not classified as a Marine Pollutant.
<b>14.6 Special Precautions For User</b>			
See Section 2			
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>Transport In Bulk:</b>	No information available	No information available	No information available

### SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>Authorisations:</b>	Not applicable
<b>Restrictions on use:</b>	Not applicable
<b>15.2 Chemical Safety Assessment</b>	
	A REACH chemical safety assessment has not been carried out.

### SECTION 16: OTHER INFORMATION

<b>The following sections contain revisions or new statements:</b>	
<b>LEGEND</b>	
<b>Hazard Pictogram(s)</b>	None.
<b>Hazard classification</b>	None.
<b>Hazard Statement(s)</b>	None.
<b>Precautionary Statement(s)</b>	None.
<b>Acronyms</b>	ADN: European Agreement concerning the International Carriage of

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	<p>Dangerous Goods by Inland Waterways  ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  CAS: Chemical Abstracts Service  CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  DNEL: Derived No Effect Level  EC: European Community  EINECS: European Inventory of Existing Commercial Chemical Substances  IATA: International Air Transport Association  IBC: Intermediate Bulk Container  ICAO: International Civil Aviation Organization  IMDG: International Maritime Dangerous Goods  LTEL: Long term exposure limit  PBT: Persistent, Bioaccumulative and Toxic  PNEC: Predicted No Effect Concentration  REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  STEL : Short term exposure limit  STOT : Specific Target Organ Toxicity UN : United Nations  vPvB : very Persistent and very Bioaccumulative</p>	
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