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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>	Root Beer Concentrate
<b>Product Code (SDS No.):</b>	V20752
<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>	Eye Irrit. 2: Causes serious eye irritation. Flam. Liq. 3: Flammable liquid and vapour. Skin Sens. 1: May cause an allergic skin reaction.
<b>2.2 Label elements – According to Regulation (EC) No. 1272/2008 (CLP)</b>	
<b>Hazard Pictograms(s)</b>	  GHS02      GHS07
<b>Signal Word(s)</b>	Warning
<b>Hazard Statement(s)</b>	H319: Causes serious eye irritation H226: Flammable liquid and vapour H317: May cause an allergic skin reaction
<b>Precautionary Statement(s)</b>	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face

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	<p>protection.                      P302+P352: IF ON SKIN: Wash with plenty of water and soap                      P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower                      P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                      P333+P313: If skin irritation or rash occurs: Get medical advice/attention.                      P337+P313: If eye irritation persists: Get medical advice/attention.                      P363: Wash contaminated clothing before reuse.                      P370+P378: In case of fire: Use alcohol resistant foam or normal protein foam for extinction.                      P403+P235: Store in a well-ventilated place. Keep cool.                      P501: Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration</p>
<b>2.3 Other hazards</b>	None Known.
<b>2.4 Additional Information</b>	For full text of H/P Statements see section 16.

**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	<80	Not classified	None
Trans-anethole	4180-23-8	224-052-0	<5	Skin Sens. 1 H317 Eye Irrit. Cat 2 H319	GHS07

**SECTION 4: FIRST AID MEASURES**

<b>4.1 Description of first aid measures</b>	
<b>Inhalation</b>	Treat symptomatically.
<b>Skin Contact</b>	Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label). Rinse skin with water.
<b>Eye Contact</b>	Treat symptomatically.
<b>Ingestion</b>	Treat symptomatically.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
Allergic contact dermatitis.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
Specific treatment (see Medical Advice on this label). Treat symptomatically.	

**SECTION 5: FIREFIGHTING MEASURES**

<b>5.1 Extinguishing media</b>	
<b>Suitable Extinguishing media</b>	Use water spray, foam, dry powder or CO2 to extinguish.
<b>Unsuitable extinguishing media</b>	Water jet spray.
<b>5.2 Special hazards arising from the substance or mixture</b>	

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	Flammable liquid and vapour. Combustion or thermal decomposition will evolve toxic and irritant vapours.
<b>5.3 Advice for firefighters</b>	
	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
	Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing, gloves and eye/face protection.
<b>6.2 Environmental precautions</b>	
	This material and its container must be disposed of in a safe way.
<b>6.3 Methods and material for containment and cleaning up</b>	
	Adsorb spillages onto sand, earth or any suitable adsorbent material. Use vacuum equipment for collecting spilt materials, where practicable. Containers must not be punctured or destroyed by burning, even when empty.
<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>	
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
	Store in a well-ventilated place. Keep cool.
<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
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.

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REGION		SOURCE
EU		EU Occupational Exposure Limits
UNITED KINGDOM		Workplace Exposure Limits (WEL)
Remark		Notes
IOELV		Indicative Occupational Exposure Limit Value
8.2 Exposure Controls		
8.2.1 Appropriate engineering controls	Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.	
8.2.2 Personal protection equipment		
Eye Protection	Wear eye protection with side protection (EN166).	
Skin Protection	Wear suitable gloves if prolonged skin contact is likely.	
Respiratory Protection	Handling of larger amounts a suitable mask with filter type A (EN14387 or EN405) may be appropriate.	
Thermal Hazards	None known.	
8.2.3 Environmental Exposure Controls	Do not allow to enter drains, sewers or watercourses.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Clear colourless to Straw Colour
Odour	Characteristic Root Beer Odour
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	43°C
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	1.00 +/- 0.02
Solubility(ies)	Solubility (Water): Not known. Solubility (other): Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.
9.2 Other Information	
	None.

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<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>	Avoid friction, sparks, or other means of ignition.
<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>	Calculation Method: Eye Irrit. Cat. 2
<b>Skin sensitization data</b>	Calculation Method: Skin Sens. Cat. 1
<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>	Not known.
<b>Toxicity – Fish</b>	Not known.
<b>Toxicity – Algae</b>	Not known.
<b>Toxicity – Sediment Compartment</b>	Not known.
<b>Toxicity – Terrestrial Compartment</b>	Not known.
<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>	
	Not known.
<b>12.6 Other adverse effects</b>	
	Not known.

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**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION****14.1 UN Number**

	ADR/RID	IMDG	IATA/ICAO
<b>UN Number:</b>	1197	1197	1197

**14.2 UN Proper Shipping Name**

	ADR/RID	IMDG	IATA/ICAO
<b>UN Proper Shipping Name:</b>	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID

**14.3 Transport Hazard Class(es)**

	ADR/RID	IMDG	IATA/ICAO
<b>Transport Class</b>	3	3	3

**14.4 Packing Group**

	ADR/RID	IMDG	IATA/ICAO
<b>Packing Group:</b>	III	III	III

**14.5 Environment Hazards**

	ADR/RID	IMDG	IATA/ICAO
<b>Environmental Hazards:</b>	None assigned.	Not classified as a Marine Pollutant.	Not classified as a Marine Pollutant.

**14.6 Special Precautions For User**

See Section 2

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

	ADR/RID	IMDG	IATA/ICAO
<b>Transport In Bulk:</b>	No information available	No information available	No information available

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This datasheet has been prepared in accordance with Regulation (EC) 1907/2008.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND**

<b>Hazard Pictogram(s)</b>	GHS02 GHS07
<b>Hazard classification</b>	Eye Irrit. Cat 2: Causes serious eye irritation. Flam. Liq. 3: Flammable liquid and vapour. Skin Sens. Cat 1: May cause an allergic skin reaction.
<b>Hazard Statement(s)</b>	H319: Causes serious eye irritation H226: Flammable liquid and vapour

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<p><b>Precautionary Statement(s)</b></p>	<p>H317: May cause an allergic skin reaction</p> <p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233: Keep container tightly closed.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P240: Ground/bond container and receiving equipment.</p> <p>P241: Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.</p> <p>P242: Use only non-sparking tools.</p> <p>P243: Take precautionary measures against static discharge.</p> <p>P261: Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P272: Contaminated work clothing should not be allowed out of the workplace.</p> <p>P363: Wash contaminated clothing before reuse.</p> <p>P370+P378: In case of fire: Use alcohol resistant foam or normal protein foam for extinction.</p> <p>P302+P352: IF ON SKIN: Wash with plenty of water and soap</p> <p>P305+P351+P338:</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P333+P313: If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P337+P313: If eye irritation persists: Get medical advice/attention.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</p> <p>P403+P235: Store in a well-ventilated place. Keep cool.</p> <p>P501: Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration</p>
<p><b>Acronyms</b></p>	<p>ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</p> <p>ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road</p> <p>CAS : Chemical Abstracts Service</p> <p>CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures</p> <p>DNEL : Derived No Effect Level</p> <p>EC : European Community</p> <p>EINECS : European Inventory of Existing Commercial Chemical Substances</p> <p>IATA : International Air Transport Association</p> <p>IBC : Intermediate Bulk Container</p> <p>ICAO : International Civil Aviation Organization</p> <p>IMDG : International Maritime Dangerous Goods</p> <p>LTEL : Long term exposure limit</p> <p>PBT : Persistent, Bioaccumulative and Toxic</p> <p>PNEC : Predicted No Effect Concentration</p> <p>REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals</p> <p>RID : Regulations concerning the International Carriage of Dangerous Goods by Rail</p> <p>STEL : Short term exposure limit</p> <p>STOT : Specific Target Organ Toxicity</p>

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	UN : United Nations vPvB : very Persistent and very Bioaccumulative
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