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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>	Tropical Island Concentrate
<b>Product Code (SDS No.):</b>	V20369
<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>	Flam. Liq. 3: Flammable liquid and vapour
<b>2.2 Label elements – According to Regulation (EC) No. 1272/2008 (CLP)</b>	
<b>Hazard Pictograms(s)</b>	 GHS02
<b>Signal Word(s)</b>	Warning
<b>Hazard Statement(s)</b>	H226: Flammable liquid and vapour.
<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. P370+P378: In case of fire: Use water spray, foam, dry powder or CO2 to extinguish. P501: Dispose of contents in accordance with local, state or national legislation.
<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

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<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	<91	Not Classified	None
Ethyl butyrate	105-54-4	203-306-4	<3	Flam. Liq. 3 H226	GHS02

<b>SECTION 4: FIRST AID MEASURES</b>	
<b>4.1 Description of first aid measures</b>	
<b>Inhalation</b>	Treat symptomatically.
<b>Skin Contact</b>	Take off immediately all contaminated clothing. 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>	
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>	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>	
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>	
Ensure adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing and gloves.	
<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. 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>
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<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.
Acetic acid	64-19-7	25	10	50	20	IOELV
Ethyl acetate	141-78-6	200		400		
Ethyl acetate	141-78-6	734	200	1468	400	IOELV
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

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<b>Colour</b>	Clear colourless to Straw Colour	
<b>Odour</b>	Characteristic Tropical Fruit Odour	
<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>	53.5°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>	1.028 +/- 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.	
<b>Oxidising properties</b>	Not known.	
<b>9.2 Other Information</b>		
	None.	

#### SECTION 10: STABILITY AND REACTIVITY

<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.

#### SECTION 11: TOXICOLOGICAL INFORMATION

<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.

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

<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>	
<b>13.1 Waste treatment methods</b>	
	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.
<b>13.2 Additional Information</b>	
	Disposal should be in accordance with local, state or national legislation.

<b>SECTION 14: TRANSPORT INFORMATION</b>			
<b>14.1 UN Number</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>UN Number:</b>	1197	1197	1197
<b>14.2 UN Proper Shipping Name</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>UN Proper Shipping Name:</b>	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID
<b>14.3 Transport Hazard Class(es)</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>Transport Class</b>	3	3	3
<b>14.4 Packing Group</b>			
	ADR/RID	IMDG	IATA/ICAO
<b>Packing Group:</b>	III	III	III

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<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

<b>SECTION 15: REGULATORY INFORMATION</b>	
<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
	This datasheet has been prepared in accordance with Regulation (EC) 1907/2008.
<b>15.2 Chemical Safety Assessment</b>	
	A REACH chemical safety assessment has not been carried out.

<b>SECTION 16: OTHER INFORMATION</b>	
<b>The following sections contain revisions or new statements:</b>	
<b>LEGEND</b>	
<b>Hazard Pictogram(s)</b>	GHS02
<b>Hazard classification</b>	Flam. Liq. 3: Flammable liquid, Category 3
<b>Hazard Statement(s)</b>	H226: Flammable liquid and vapour.
<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 and bond container and receiving equipment. P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment. P242: Use non-sparking tools. P243: Take action to prevent static discharges. P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P370+P378: In case of fire: Use water spray, foam, dry powder or CO2 to extinguish. P403+P235: Store in a well-ventilated place. Keep cool. P501: Dispose of contents in accordance with local, state or national legislation
<b>Acronyms</b>	ADN : European Agreement concerning the International Carriage of 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

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	<p>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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