



Date of Issue: 26/09/18	Version No.: 2	Revision No.: 1
-------------------------	----------------	-----------------

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1 Product Identifier	
Product Name:	Pineapple Concentrate
Product Code (SDS No.):	V20354
1.2 Relevant identified uses of the substance or mixture and uses advised against:	
Use:	Concentrated aromatic raw material. Not for personal use in this form or concentration. For manufacturing use only.
Uses advised against:	Any use other than recommended use.
1.3 Details of the supplier of the Safety Data Sheet:	
Name of Supplier:	Flavour Warehouse LTD
Address:	Global Way, Darwen, Lancashire, BB3 ORW
Tel:	+44 1254 460124
E-mail:	tpd@vampirevape.co.uk
1.4 Emergency telephone number	
Emergency Phone No.	+44 1254 460124
National Response Center	National Poisons Information Service (Birmingham Centre)
Address	City Hospital, Dudley Road, Birmingham, United Kingdom,
Emergency Phone No.	+00 448 706 006 266 NHS Direct – 0845 4647 or 111

SECTION 2: HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	
Regulation (EC) No. 1272/2008 (CLP)	Acute Tox. 3 :Toxic if swallowed. Aquatic Chronic 3 :Harmful to aquatic life with long lasting effects. Flam. Liq. 3 :Flammable liquid and vapour.
2.2 Label elements – According to Regulation (EC) No. 1272/2008 (CLP)	
Hazard Pictograms(s)	  GHS02 GHS06
Signal Word(s)	Danger
Hazard Statement(s)	H226: Flammable liquid and vapour. H301: Toxic if swallowed. H412: Harmful to aquatic life with long lasting effects. EUH208: Contains: (allyl 3-cyclohexylpropionate) May produce an allergic reaction.
Precautionary Statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P264: Wash hands and exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P330: Rinse mouth. P370+P378: In case of fire: Use water spray, foam, dry powder or CO2 to

Safety Data Sheet According to Regulation (EC) No's 1907/2006, 1272/2008 and Amendments

Date of Issue: 26/09/18	Version No.: 2	Revision No.: 1
-------------------------	----------------	-----------------

	extinguish. P405: Store locked up. P501: Dispose of contents in accordance with local, state or national legislation.
2.3 Other hazards	None Known.
2.4 Additional Information	For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances					
Not applicable.					
3.2 Mixtures					
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	<94	Not Classified	None
ethyl butyrate	105-54-4	203-306-4	<6	Flam. Liq. 3 H226	GHS02
ethyl acetate	141-78-6	205-500-4	<2	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
allyl hexanoate	123-68-2	204-642-4	<1	Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 Aquatic Acute 1 H400 Aquatic Chronic 3 H412	GHS06 GHS09
allyl 3-cyclohexylpropionate	2705-87-5	220-292-5	<1	Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Sens. 1B H317 Acute Tox. 4 H332 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS07 GHS09

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Treat symptomatically.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water.
Eye Contact	Treat symptomatically.
Ingestion	Rinse mouth. Specific treatment (see Medical Advice on this label). Immediately call a POISON CENTER/doctor.
4.2 Most important symptoms and effects, both acute and delayed	
	Treat symptomatically.
4.3 Indication of any immediate medical attention and special treatment needed	
	Specific treatment (see Medical Advice on this label). Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Date of Issue: 26/09/18	Version No.: 2	Revision No.: 1
-------------------------	----------------	-----------------

5.1 Extinguishing media	
Suitable Extinguishing media	Use water spray, foam, dry powder or CO2 to extinguish.
Unsuitable extinguishing media	Water jet spray
5.2 Special hazards arising from the substance or mixture	
	Flammable liquid and vapour. Combustion or thermal decomposition will evolve toxic and irritant vapours.
5.3 Advice for firefighters	
	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 because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures	
	Ensure 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.
6.2 Environmental precautions	
	Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
6.3 Methods and material for containment and cleaning up	
	Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.
6.4 Reference to other sections	
	See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE	
7.1 Precautions for safe handling	
	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. Wash hands and exposed skin thoroughly after 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 cool. Store locked up.
Storage temperature	Ambient.
Storage life	Stable under normal conditions.
Incompatible materials	None known.
7.3 Specific end use(s)	
	Flavour Concentrate for use in producing E-Liquid.

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

Safety Data Sheet According to Regulation (EC) No's 1907/2006, 1272/2008 and Amendments

Date of Issue: 26/09/18	Version No.: 2	Revision No.: 1
-------------------------	----------------	-----------------

			mg/m ³)			
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.
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
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. Use with ventilation, local exhaust ventilation or breathing protection.					
8.2.2 Personal protection equipment						
Eye Protection	Wear eye protection with side protection (EN166).					
Skin Protection	Wear protective clothing and gloves: Impervious gloves (EN 374).					
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	Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.					

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 Pineapple Odour
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	38.5°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	1.0206 +/- 0.02
Solubility(ies)	Solubility (Water): Not known. Solubility (other): Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.

Date of Issue: 26/09/18	Version No.: 2	Revision No.: 1
-------------------------	----------------	-----------------

Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.
9.2 Other Information	
	None.

SECTION 10: STABILITY AND REACTIVITY	
10.1 Reactivity	None anticipated.
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known is used for its intended purpose
10.4 Conditions to avoid	Avoid friction, sparks, or other means of ignition.
10.5 Incompatible materials	Not known.
10.6 Hazardous decomposition products	No hazardous decomposition products known.

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

SECTION 12: ECOLOGICAL INFORMATION	
12.1 Toxicity	
Harmful to aquatic life. Harmful to aquatic life with long lasting effects.	
Toxicity – Aquatic invertebrates	Not known.
Toxicity – Fish	Not known.
Toxicity – Algae	Not known.
Toxicity – Sediment Compartment	Not classified
Toxicity – Terrestrial Compartment	Not classified
12.2 Persistence and Degradation	
	Not known.
12.3 Bio accumulative potential	

Safety Data Sheet According to Regulation (EC) No's 1907/2006, 1272/2008 and Amendments

Date of Issue: 26/09/18	Version No.: 2	Revision No.: 1
-------------------------	----------------	-----------------

	Not known.
12.4 Mobility in soil	
	Not known.
12.5 Results of PBT and vPvB assessment	
	Not known.
12.6 Other adverse effects	
	Not known.

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. Dispose of this material and its container to hazardous or special waste collection point.
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
UN Number:	1197	1197	1197
14.2 UN Proper Shipping Name			
	ADR/RID	IMDG	IATA/ICAO
UN Proper Shipping Name:	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID
14.3 Transport Hazard Class(es)			
	ADR/RID	IMDG	IATA/ICAO
Transport Class	3	3	3
14.4 Packing Group			
	ADR/RID	IMDG	IATA/ICAO
Packing Group:	III	III	III
14.5 Environment Hazards			
	ADR/RID	IMDG	IATA/ICAO
Environmental Hazards:	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
Transport In Bulk:	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.

Date of Issue: 26/09/18	Version No.: 2	Revision No.: 1
-------------------------	----------------	-----------------

SECTION 16: OTHER INFORMATION	
The following sections contain revisions or new statements:	
LEGEND	
Hazard Pictogram(s)	GHS02 GHS06 GHS07: GHS: exclamation mark GHS09: GHS: fish and tree
Hazard classification	Acute Tox. 3 : Acute toxicity, Category 3 Acute Tox. 4 : Acute toxicity, Category 4 Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1 Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1 Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3 Eye Irrit. 2 : Serious eye damage/irritation, Category 2 Flam. Liq. 2 : Flammable liquid, Category 2 Flam. Liq. 3 : Flammable liquid, Category 3 STOT SE 3_H336 : Specific target organ toxicity — single exposure, Category 3 Skin Sens. 1B : Skin sensitization, Category 1B
Hazard Statement(s)	H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H301: Toxic if swallowed. H302: Harmful if swallowed. H311: Toxic in contact with skin. H312: Harmful in contact with skin. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H331: Toxic if inhaled. H332: Harmful if inhaled. H336: May cause drowsiness or dizziness. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects.
Precautionary Statement(s)	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. P264: Wash hands and exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P330: Rinse mouth. 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.

Safety Data Sheet According to Regulation (EC) No's 1907/2006, 1272/2008 and Amendments

Date of Issue: 26/09/18	Version No.: 2	Revision No.: 1
	<p>P405: Store locked up. P501: Dispose of contents in accordance with local, state or national legislation.</p>	
Acronyms	<p>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 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>	
Disclaimers	<p>Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Flavour Warehouse LTD gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Flavour Warehouse LTD accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.</p>	