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| Date of Issue: 20/09/18 | Version No.: 2 | Revision No.: 1 |
|-------------------------|----------------|-----------------|

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| SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING | |
| 1.1 Product Identifier | |
| Product Name: | Blueberry Concentrate |
| Product Code (SDS No.): | V20337 |
| 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 |

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| SECTION 2: HAZARDS IDENTIFICATION | |
| 2.1 Classification of the substance or mixture | |
| Regulation (EC) No. 1272/2008 (CLP) | Not classified as dangerous for supply/use. |
| 2.2 Label elements – According to Regulation (EC) No. 1272/2008 (CLP) | |
| Hazard Pictograms(s) | None. |
| Signal Word(s) | None. |
| Hazard Statement(s) | None. EUH208: Contains: (trans-hex-2-enal) May produce an allergic reaction. |
| Precautionary Statement(s) | None. |
| 2.3 Other hazards | |
| | None Known. |
| 2.4 Additional Information | |
| | None. |

| 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 | <95 | Not Classified | None |

| | | |
|-------------------------|----------------|-----------------|
| Date of Issue: 20/09/18 | Version No.: 2 | Revision No.: 1 |
|-------------------------|----------------|-----------------|

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| SECTION 4: FIRST AID MEASURES | |
| 4.1 Description of first aid measures | |
| Inhalation | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| Skin Contact | Wash skin with water. |
| Eye Contact | Flush eyes with water for at least 15 minutes. |
| Ingestion | Wash out mouth with water. |
| 4.2 Most important symptoms and effects, both acute and delayed | |
| | None anticipated. Treat symptomatically. |
| 4.3 Indication of any immediate medical attention and special treatment needed | |
| | Unlikely to be required but if necessary treat symptomatically. |

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| SECTION 5: FIREFIGHTING MEASURES | |
| 5.1 Extinguishing media | |
| Suitable Extinguishing media | As appropriate for surrounding fire. |
| Unsuitable extinguishing media | None. |
| 5.2 Special hazards arising from the substance or mixture | |
| | None anticipated. Heating may cause decomposition. |
| 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 area because they are likely to rupture under fire conditions. |

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

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| SECTION 7: HANDLING AND STORAGE | |
| 7.1 Precautions for safe handling | |
| | Not known. |
| 7.2 Conditions for safe storage, including any incompatibilities | |
| | |
| 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. |

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| SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION | |
| 8.1 Control parameters | |

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

| | | |
|-------------------------|----------------|-----------------|
| Date of Issue: 20/09/18 | Version No.: 2 | Revision No.: 1 |
|-------------------------|----------------|-----------------|

| 8.1.1 Occupational Exposure Limits | | | | | | |
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| SUBSTANCE | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m ³) | STEL (ppm) | STEL (mg/m ³) | 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. |
| Pentyl acetates (all isomers) | 123-92-2 | 50 | 270 | 100 | 541 | |
| Isopentylacetate | 123-92-2 | 50 | 270 | 100 | 540 | IOELV |
| Acetic acid | 64-19-7 | 25 | 10 | 50 | 20 | IOELV |
| Ethyl Acetate | 141-78-6 | 200 | | 400 | | IOELV |
| Ethyl Acetate | 141-78-6 | 734 | 200 | 1468 | 400 | |
| 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 | Ensure adequate ventilation. | | | | | |
| 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 release large quantities into the surface water or into drains. | | | | | |

| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES | |
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| 9.1 Information on basic physical and chemical properties | |
| Appearance | Liquid |
| Colour | Clear colourless to Straw Colour |
| Odour | Characteristic of Blueberry |
| Odour threshold | Not known. |
| pH | Not known. |
| Melting point/freezing point | Not known. |
| Initial boiling point and boiling range | Not known. |
| Flash Point | >63°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 | 1.0306 +/- 0.02 |
| Solubility(ies) | Solubility (Water): Not known. Solubility (other): Not known. |

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

| | | |
|-------------------------|----------------|-----------------|
| Date of Issue: 20/09/18 | Version No.: 2 | Revision No.: 1 |
|-------------------------|----------------|-----------------|

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| 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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| 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 | None anticipated. |
| 10.5 Incompatible materials | Not known. |
| 10.6 Hazardous decomposition products | No hazardous decomposition products known. |

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| SECTION 11: TOXICOLOGICAL INFORMATION | |
| 11.1 Information on toxicological effects | |
| Acute toxicity – Ingestion | Not classified. |
| 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. |

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| SECTION 12: ECOLOGICAL INFORMATION | |
| 12.1 Toxicity | |
| Toxicity – Aquatic invertebrates | Low toxicity to invertebrates |
| Toxicity – Fish | Low toxicity to fish |
| Toxicity – Algae | Low toxicity to algae. |
| Toxicity – Sediment Compartment | Not classified. |
| Toxicity – Terrestrial Compartment | Not classified. |
| 12.2 Persistence and Degradation | |

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

| | | |
|-------------------------|----------------|-----------------|
| Date of Issue: 20/09/18 | Version No.: 2 | Revision No.: 1 |
|-------------------------|----------------|-----------------|

| | |
|--|------------|
| | Not known. |
| 12.3 Bio accumulative potential | |
| | 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

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| 13.1 Waste treatment methods | |
| | No special precautions are required for this product. |
| 13.2 Additional Information | |
| | No special precautions are required for this product. |

SECTION 14: TRANSPORT INFORMATION

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|--|---------------------------------------|---------------------------------------|---------------------------------------|
| 14.1 UN Number | | | |
| | ADR/RID | IMDG | IATA/ICAO |
| UN Number: | None assigned. | None assigned. | None assigned. |
| 14.2 UN Proper Shipping Name | | | |
| | ADR/RID | IMDG | IATA/ICAO |
| UN Proper Shipping Name: | None assigned. | None assigned. | None assigned. |
| 14.3 Transport Hazard Class(es) | | | |
| | ADR/RID | IMDG | IATA/ICAO |
| Transport Class | None assigned. | None assigned. | None assigned. |
| 14.4 Packing Group | | | |
| | ADR/RID | IMDG | IATA/ICAO |
| Packing Group: | None assigned. | None assigned. | None assigned. |
| 14.5 Environment Hazards | | | |
| | ADR/RID | IMDG | IATA/ICAO |
| Environmental Hazards: | Not classified as a Marine Pollutant. | 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

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

SECTION 16: OTHER INFORMATION

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| The following sections contain revisions or new statements: |
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Safety Data Sheet According to Regulation (EC) No's 1907/2006, 1272/2008 and Amendments

| | | |
|-------------------------|----------------|-----------------|
| Date of Issue: 20/09/18 | Version No.: 2 | Revision No.: 1 |
|-------------------------|----------------|-----------------|

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| LEGEND | |
| Hazard Pictogram(s) | None. |
| Hazard classification | None. |
| Hazard Statement(s) | None. |
| Precautionary Statement(s) | None. |
| Acronyms | <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> <p>UN: United Nations</p> <p>vPvB : very Persistent and very Bioaccumulative</p> |
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