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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>  | Charger Concentrate   |
| <b>Product Code (SDS No.):</b>  | V21013  |
| <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,<br>Darwen,<br>Lancashire,<br>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,<br>Dudley Road,<br>Birmingham,<br>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>                                   | Skin Irrit. 2: Causes skin irritation<br>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>  | <br>GHS07  |
| <b>Signal Word(s)</b>  | Warning   |
| <b>Hazard Statement(s)</b>   | H315: Causes skin irritation<br>H317: May cause an allergic skin reaction<br>EUH208: Contains (trans-anethole) May produce an allergic reaction.  |
| <b>Precautionary Statement(s)</b>  | P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.<br>P264: Wash hands thoroughly after handling.<br>P272: Contaminated work clothing should not be allowed out of the workplace.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection.<br>P302+P352: IF ON SKIN: Wash with plenty of water<br>P321: Specific treatment (see ... on this label).<br>P332+P313: If skin irritation occurs: Get medical advice/attention.<br>P333+P313: If skin irritation or a rash occurs: Get medical advice/attention.<br>P362: Take off contaminated clothing. |

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|                                   | P363: Wash contaminated clothing before reuse.<br>P501: Dispose of container to in accordance with national regulation |                 |
| <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                    |
| acetic acid ... %       | 64-19-7         | 200-580-7             | <2   | Flam. Liq. 3 H226<br>Skin Corr. 1A H314   | GHS02<br>GHS05          |
| cineole                 | 470-82-6        | 207-431-5             | <2   | Flam. Liq. 3 H226<br>Skin Sens. 1 H317  | GHS02<br>GHS07          |
| anethole                | 104-46-1        | 203-205-5             | <2   | Asp. Tox. 1 H304<br>Skin Irrit. 2 H315<br>Skin Sens. 1 H317<br>Aquatic Chronic 2 H411 | GHS08<br>GHS07<br>GHS09 |
| L-menthol               | 2216-51-5       | 218-690-9             | <1   | Skin Irrit. 2 H315<br>Eye Irrit. 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 occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label). |
| <b>Eye Contact</b>  | Treat symptomatically.   |
| <b>Ingestion</b>  | Treat symptomatically.   |
| <b>4.2 Most important symptoms and effects, both acute and delayed</b>                |  |
|   | Causes burns. 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> |   |
|  | None anticipated. Heating may cause decomposition.  |
| <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 |

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|  | 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 protective clothing, gloves and eye/face protection. |
|--|--|

### 6.2 Environmental precautions

|  |  |
|--|--|
|  | Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body. |
|--|--|

### 6.3 Methods and material for containment and cleaning up

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|--|--|
|  | 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. |
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### 6.4 Reference to other sections

|  |                         |
|--|-------------------------|
|  | See Also Section 8, 13. |
|--|-------------------------|

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

|  |   |
|--|---|
|  | Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |
|--|---|

### 7.2 Conditions for safe storage, including any incompatibilities

|                               |                                 |
|-------------------------------|---------------------------------|
|                               |                                 |
| <b>Storage temperature</b>    | Ambient.                        |
| <b>Storage life</b>           | Stable under normal conditions. |
| <b>Incompatible materials</b> | 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 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. |
| Pentyl acetates (all isomers)                  | 123-92-2 | 50                  | 270                                | 100        | 541                       |       |

#### REGION

|                |                                 |
|----------------|---------------------------------|
| EU             | EU Occupational Exposure Limits |
| UNITED KINGDOM | Workplace Exposure Limits (WEL) |

#### Remark

|       |  |
|-------|--|
| IOELV | Indicative Occupational Exposure Limit Value |
|-------|--|

### 8.2 Exposure Controls

#### 8.2.1 Appropriate engineering controls

|  |   |
|--|---|
|  | Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present. |
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| <b>8.2.2 Personal protection equipment</b>   |  |
| <b>Eye Protection</b>                        | Wear eye protection with side protection (EN166).  |
| <b>Skin Protection</b>                       | Wear protective clothing and gloves: Impervious gloves (EN 374).   |
| <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> | 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

|   |  |
|---|--|
| <b>Appearance</b>                                   | Liquid   |
| <b>Colour</b>                                       | Clear colourless to Straw Colour                                 |
| <b>Odour</b>  | Characteristic Fruity/Menthol                                    |
| <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>                                  | Not known.   |
| <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>                             | 1.03 +/- 0.02  |
| <b>Solubility(ies)</b>                              | Solubility (Water): Not known.<br>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> | When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide. |
| <b>10.4 Conditions to avoid</b>                | None anticipated.   |
| <b>10.5 Incompatible materials</b>             | Not known.  |
| <b>10.6 Hazardous decomposition products</b>   | Thermal Decomposition may release CO <sub>2</sub> /CO.  |

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| <b>SECTION 11: TOXICOLOGICAL INFORMATION</b>     |   |
| <b>11.1 Information on toxicological effects</b> |   |
| Acute toxicity – Ingestion                       | Not classified.                                     |
| Acute toxicity – Skin Contact                    | Not classified.                                     |
| Acute toxicity – Inhalation                      | Not classified.                                     |
| Skin corrosion/irritation                        | Calculation Method: May cause skin irritation.      |
| Serious eye damage/irritation                    | Not classified.                                     |
| Skin sensitization data                          | Calculation Method: May cause an allergic reaction. |
| 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.                                     |
| <b>11.2 Other information</b>                    |   |
|  | Not known.  |

|  |            |
|--|------------|
| <b>SECTION 12: ECOLOGICAL INFORMATION</b>      |            |
| <b>12.1 Toxicity</b>                           |            |
| Toxicity – Aquatic invertebrates               | Not known. |
| Toxicity – Fish                                | Not known. |
| Toxicity – Algae                               | Not known. |
| Toxicity – Sediment Compartment                | Not known. |
| Toxicity – Terrestrial Compartment             | 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. |

|  |  |
|--|--|
| <b>SECTION 13: DISPOSAL CONSIDERATIONS</b> |  |
| <b>13.1 Waste treatment methods</b>        |  |
|  | Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. |
| <b>13.2 Additional Information</b>         |  |
|  | Disposal should be in accordance with local, state or national legislation.  |

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| <b>SECTION 14: TRANSPORT INFORMATION</b> |
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|  |                                       |                                       |                                       |
|--|---------------------------------------|---------------------------------------|---------------------------------------|
| <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> |  |
|  | 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.                   |

## SECTION 16: OTHER INFORMATION

|  |   |
|--|---|
| <b>The following sections contain revisions or new statements:</b> |   |
| <b>LEGEND</b>  |   |
| <b>Hazard Pictogram(s)</b>   | GHS02 GHS: flame<br>GHS05: GHS: corrosive<br>GHS07: GHS: exclamation mark<br>GHS08: GHS: health hazard<br>GHS09: GHS: fish and tree   |
| <b>Hazard classification</b>                                       | Skin Sens. 1: Skin Sensitisation, Category 1<br>Skin Irrit. 2: Skin Irritant, Category 2  |
| <b>Hazard Statement(s)</b>   | H226: Flammable liquid and vapour<br>H304: May be fatal if swallowed and enters airways<br>H314: Causes severe skin burns and eye damage<br>H315: Causes skin irritation<br>H317: May cause an allergic skin reaction<br>H319: Causes serious eye irritation<br>H411: Toxic to aquatic life with long-lasting effects |
| <b>Precautionary Statement(s)</b>                                  | P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.<br>P264: Wash hands thoroughly after handling.<br>P272: Contaminated work clothing should not be allowed out of the workplace.<br>P280: Wear protective gloves/protective clothing/eye protection/face   |

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|                         | <p>protection.<br/>                     P302+P352: IF ON SKIN: Wash with plenty of water<br/>                     P321: Specific treatment (see ... on this label).<br/>                     P332:+P313: If skin irritation occurs: Get medical advice/attention.<br/>                     P333+P313: If skin irritation or a rash occurs: Get medical advice/attention.<br/>                     P362: Take off contaminated clothing.<br/>                     P363: Wash contaminated clothing before reuse.<br/>                     P501: Dispose of container to in accordance with national regulation</p>  |                 |
| <b>Acronyms</b>         | <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways<br/>                     ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road<br/>                     CAS: Chemical Abstracts Service<br/>                     CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures<br/>                     DNEL: Derived No Effect Level<br/>                     EC: European Community<br/>                     EINECS: European Inventory of Existing Commercial Chemical Substances<br/>                     IATA: International Air Transport Association<br/>                     IBC: Intermediate Bulk Container<br/>                     ICAO: International Civil Aviation Organization<br/>                     IMDG: International Maritime Dangerous Goods<br/>                     LTEL: Long term exposure limit<br/>                     PBT: Persistent, Bioaccumulative and Toxic<br/>                     PNEC: Predicted No Effect Concentration<br/>                     REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals<br/>                     RID: Regulations concerning the International Carriage of Dangerous Goods by Rail<br/>                     STEL : Short term exposure limit<br/>                     STOT : Specific Target Organ Toxicity UN : United Nations<br/>                     vPvB : very Persistent and very Bioaccumulative</p> |                 |
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