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

Pear Drops 24mg

Date of issue: 01 July 2015
Version No.: 1
Revision No.: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product name: **Pear Drops 24mg**
Product code (SDS NO): **V20306**

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Use: E-Liquid for Electronic cigarettes consumer use.
Uses advised against: Any use other than the recommended use.

1.3 Details of the supplier of the Safety Data Sheet:

Name of supplier: Flavours Warehouse Ltd
Address: Unit 3
270 Grane Road
Haslingden
Lancashire
BB4 4QN
Tel.: +44 1706 550140
E-mail:

Manufacturer (non-EU): Not Applicable

1.4 Emergency Telephone

Number: +44 1706 550140

SECTION 2: Hazards identification

This product is classified as "Hazardous" according to Regulation (EC) No 1272/2008 and its amendments.

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (including amendments):

Acute Tox. 3, H311

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Hazard pictograms:
Signal word: Danger

Hazard statements:	H311: Toxic in contact with skin
Precautionary statements:	
Prevention:	P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P322: Specific measures (see advice on this label). P363: Wash contaminated clothing before reuse.
Storage:	P405: Store locked up.
Disposal:	P501: Dispose of contents/container in accordance to local/national regulations.

For full H-Statements regarding this product refer to Section 16.

2.3 Other hazards:

None

2.4 Additional information:

The mixture was classified using data available for the neat substances with the application of relevant concentration limits, in accordance with Regulation (EC) No 1272/2008.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Description of mixture: E-Liquid for electronic cigarettes, consumer use.

Hazardous ingredients:

EC Number	EC Name	Weight % Content	Classification according to Regulation (EC) No 1272/2008 (CLP)
200-193-3	Nicotine	2.4	Acute Tox. 3, H301 Acute Tox 1, H310 Aquatic Chronic 2, H411

For the full text of the H-statements, see Section 16.
Ingredients not listed are either classified as non-hazardous or are present at concentrations below reportable levels.

No REACH registration numbers are provided either because the mixture contains pre-registered phase-in substances and the transition period for their registration according to Article 23 of REACH has not yet expired or because the annual tonnages do not require a REACH registration.

SECTION 4: First aid measures

4.1 Description of first aid measures

Ingestion: DO NOT induce vomiting. Never give anything to an unconscious person. Rinse mouth with water. Get medical advice/attention should symptoms appear.

Skin contact: Immediately flush skin with plenty of soap and water whilst removing contaminated clothing. Seek medical attention if irritation persists.

Eye contact: Immediately flush eyes (holding eyelids apart) with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove from exposure site to fresh air and keep at rest. If breathing has stopped give artificial respiration. Observe for possible delayed reaction. Get medical advice/attention if concerned.

First Aider Protection: Avoid skin/eye contact/inhalation and ingestion during treatment process.

4.2 Most important symptoms and effects, both acute and delayed

General advice: Consult a physician. Show this safety data sheet to medical personnel.

Ingestion: May cause stomach distress, nausea or vomiting. If ingested, immediately call a poison control centre or doctor.

Skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Inhalation May cause respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed.

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable Extinguishing Media: Carbon dioxide, Alcohol foam, dry chemical or water spray/mist.

Unsuitable Extinguishing Media: None

5.2 Special hazards arising from the substance or mixture

During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

5.3 Advice for fire-fighters

Wear full protective clothing and self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent).

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency measures

6.1.1 For non-emergency personnel

- Wear proper personal protective equipment as stated in section 8.
- Avoid breathing vapours, mist or gas. Do not ingest.
- Avoid contact with skin and eyes.
- Eliminate all sources of ignition and ensure adequate ventilation of area.
- Beware of vapours accumulation to form explosive concentrations.
- Vapours can accumulate in low areas.
- For details of protective equipment, see Section 8.

6.1.2 For emergency responders

- Wear self-contained breathing apparatus.
- Wear full protective clothing.
- For details of protective equipment, see Section 8.

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.
- Prevent spills or contaminated rinse water from entering sewers or watercourses.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment

- Stop leakage if safe to do so.
- In case of small spills, absorb with inert materials such as earth or dry sand then shovel into a chemical waste container.
- In case of large spills, dike the spill, if possible.
- Place any absorbents in suitable chemical waste container.
- Call emergency services if necessary.

6.3.2 For cleaning up

- Absorb the chemical then place in a chemical waste container.

6.4 Reference to other sections

For personal protection, see Section 8.
For disposal of waste from clean-up operations, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Wear proper protective equipment and avoid contact with skin, eyes, or clothing. Obtain special instructions before use.
- Avoid inhalation and ingestion.
- Avoid inhalation of vapour or mist.
- When using this product do not eat, drink or smoke.
- Wash hands thoroughly after handling this material.
- Follow all applicable local regulations for handling and storage.

7.2 Conditions for safe storage, including any incompatibilities

- Keep out of reach of children.
- Store in a well ventilated place.
- Keep container tightly closed (air sensitive), in a cool dry place.
- Containers that are opened must be carefully resealed and kept upright to prevent leakage.
- Keep away from heat and sources of ignition.

7.3 Specific end use(s)

None. The material is safe to use as intended.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational Exposure Limits:

CAS No.	54-11-5			
Substance	Nicotine			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m³	ppm	mg/m³
France		0.5		
Germany (AGS)		0.5 (1)		1 (1)(2)
United Kingdom		0.5		1.5

France : Indicative statutory limit values
Germany (AGS) (1) Inhalable aerosol and vapour (2) 15 minutes reference period

CAS No.	56-81-5			
Substance	Glycerin, mist			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m³	ppm	mg/m³
France	-	10	-	-
Germany (AGS)	-	50 inhalable aerosol	-	100 inhalable aerosol
United Kingdom	-	10	-	-

France: Indicative statutory limit values

8.1.2 Biological Limit Value: No data available for the product.

8.1.3 PNECs and DNELs: No data available for the product.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Always provide adequate ventilation where this chemical/material is used.

8.2.2 Individual protection measures, such as personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).
Use only respiratory protection that conforms to EN149 as minimum standard.

Eye protection: Face shield and safety glasses or goggles EN166 as minimum standard.

Skin protection: Handle with gloves, EN374 as minimum standard. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Provide good personal hygiene after handling.
Avoid contact with skin, eyes and clothing.

Wash hands before breaks and immediately after handling the product.
Do not eat, drink or smoke whilst using this product

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 light yellow
Odour:	No data available
Odour threshold:	No data available
pH:	No data available
Melting/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density (water=1):	No data available
Solubility(ie's):	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
Not reactive. Liquid may darken with prolonged storage.

10.2 Chemical stability
Stable under normal storage/handling conditions.

10.3.1 Possibility of hazardous reactions
Will not occur.

10.4 Conditions to avoid
Keep away from heat/sparks/open flames/hot surfaces.

10.5 Incompatible materials
None.

10.6 Hazardous decomposition products
May include, and are not limited to oxides of carbon.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
No data are available for the product therefore available data for the components of the product are provided below.

Acute toxicity:

Nicotine component:	LD50 70mg/kg bw (oral; gavage, female rat, OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)).
Glycerin, mist component:	LD50 27200 mg/kg bw (oral; gavage, female rat, standard acute method). L(ct)50 (7h) 4655 mg/min/L (inhalation; vapour, whole body, male rat, standard acute method). LD50 56750 mg/kg (dermal; semi occlusive, male/female guinea pig, standard acute method).

Skin corrosion/irritation:

Nicotine component:	Nicotine did not induce excessive local skin irritation. (mice, (OECD 429 resp. EU B.42)).
Glycerin, mist component:	Not Irritating (rabbit)

Serious eye damage/ irritation:

Nicotine component:	Nicotine was shown to have effects on the bovine eye. 29.518 IVIS (EU method B.47 (Bovine corneal opacity and permeability test method for identifying ocular corrosives and severe irritants).
Glycerin, mist component:	Not Irritating (rabbit).

Respiratory or skin sensitisation:

Respiratory:	No data available.
Skin:	

Nicotine component:	Not sensitising. (Mouse local lymph node assay)
Germ cell mutagenicity:	
Nicotine component:	Negative results. (S. typhimurium TA 1538 OECD Guideline 471 (Bacterial Reverse Mutation Assay))
Glycerin mist component:	Negative results. (DNA damage &/or repair OECD Guideline 482. Chromosome aberration (CHO) OECD guideline 473. Mammalian cell gene mutation assay (CHO) OECD guideline 476).
Carcinogenicity:	
Glycerin, mist component:	Administration for up to two years in the diet did not result in an increase in tumor formation. (oral; feed, male/female rat)
Reproductive toxicity:	
Glycerin, mist component:	No noted effects on growth, fertility and reproductive performance through two generations (oral; gavage, male/female rat, 2-generation study). NOAEL (maternal toxicity/developmental toxicity) 1310 mg/kg bw/day (oral; gavage, rat). No effects in animals or offspring of dams dosed.
STOT-single exposure:	No data available
STOT-repeated exposure:	
Glycerin, mist component:	NOAEL 8000-10000 mg/kg bw (oral; feed, male/female rat, 48m). NAOEL 167 mg/m3 air (inhalation; vapour, nose only, male/female rat, 13w). Local irritant effects in the upper respiratory tract.
Aspiration hazard:	No data available.
11.2 Other information:	None

SECTION 12: Ecological information

12.1 Toxicity

No data are available for the product therefore available data for the components of the product are provided below.

Hazards to aquatic environment (acute):

Nicotine component:	EC50 0.242mg/L (48h: Daphnia magna)

Glycerin, mist component:	LC50 54000 mg/L (96h: Oncorhynchus mykiss); LC50 1955 mg/L (48h: Daphnia magna)

12.2 Persistence and degradability

Nicotine component:	Readily biodegradable. The degree of biodegradation reached 71% after 28 days.
Glycerin, mist component:	Readily biodegradable: Nearly completely degraded within 24 hours).

12.3 Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
An assessment has not been conducted on the product. However, there are no indications that this product contains substances likely to be classified as PBT or vPvB.

12.6. Other adverse effects
No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Residual wastes
Dispose of in accordance with local/national regulations.
Avoid disposing into drainage systems and into the environment.
This combustible material may be burned in a chemical incinerator equipped with afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to a dispose of this material.

13.1.2 Contaminated containers and packaging
Dispose of soiled containers in accordance with local/national regulations.

13.2 Other information: None

SECTION 14: Transport information

14.1	**UN Number:**	Not applicable
14.2	**UN proper shipping name:**	Not applicable
14.3	**Transport hazard class(es)**:	Not applicable
14.4	**Packing group:**	Not applicable
14.5	**Environmental hazards:**	Not applicable
14.6	**Special Precautions for user:**	Not applicable

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code: Not applicable

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance

Authorisations: Not applicable
Restrictions on use: Not applicable

France regulations

Decree No. 2012-746 of May 9, 2012 setting binding limit values for occupational exposure to certain chemicals – as above.
Decree No. 2009-1570 of 15 December 2009 on the control of chemical hazards in the workplace – as above.
Decree No. 2014-128 of 14 February 2014 on regulatory provisions relating to mandatory declaration of hazardous mixtures.

Germany regulations

German act governing protection from hazardous substances (Chemicals Act/ Chemikaliengesetz- ChemG), as amended by the notice of August 28, 2013 (BGBl. I S. 3498): Not applicable.

Hazardous Substances Ordinance (Gefahrstoffverordnung - GefStoffV) of 26 November 2010 (BGBl. I p. 1643) : Not applicable.

Technical Rule for Hazardous Substances (TRGS) No. 900, January 2006 (Technische Regeln für Gefahrstoffe) : Not applicable.

Technical Rule for Hazardous Substances (TRGS) No. 900, January 2006 (Technische Regeln für Gefahrstoffe) : Not applicable.

Technical Rules for Hazardous Substances (TRGS) No. 510, January 2013 (Technische Regeln für Gefahrstoffe) : Not applicable.

List of MAK and BAT: MAK- und BAT-Werte-Liste 2014: Maximale Arbeitsplatzkonzentrationen und Biologische Arbeitsstofftoleranzwerte: Not applicable.

Wassergefährdungsklasse (water hazard class, Germany): WGK 1 calculated classification) in Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Annex 2).

Technical Instructions on Air Quality Control" (Technische Anleitung zur Reinhaltung der Luft) "TA Luft" 2002:

: Total dust: Not applicable

: Inorganic substances in powdered form: Not applicable

: Inorganic substances in vapour or gaseous form: Not applicable

: Organic Substances: Not applicable

: Carcinogenic substances: Not applicable

: Mutagenic: Not applicable

: Toxic to reproduction: Not applicable

UK regulations

EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended). Health and Safety Executive, Second edition, published 2011.

The Control of Substances Hazardous to Health Regulations 2002 (as amended).

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3:
H301: Toxic if swallowed
H310: Fatal in contact with skin.
H311: Toxic in contact with skin
H411: Toxic to aquatic life with long lasting effects.

Methods of evaluation:
The mixture was classified using data available for the neat substances with the application of relevant concentration limits, in accordance with Regulation (EC) No 1272/2008.

References:

Disseminated dossiers available on ECHA website.

ECHA Guidance on the compilation of safety data sheets. Version 2.1. February 2014.

GESTIS-database on hazardous substances

Regulation 1272/2008 on Harmonised Classification and Labelling for Certain Hazardous Substances.

Regulation (EC) No. 1907/2006 of The European Parliament and of The Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (4th ed., 2011), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 17th edit. UN

2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2011 TLVs and BEIs. (ACGIH)

http://monographs.iarc.fr/monoeval/grlist.html

Supplier's data/information

Other information

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

Abbreviations:

BCF: Bioaccumulation factor
bw: Body weight
QSAR: Quantitative structure–activity relationship
Repr. 2: Reproductive toxicant category 2
STOT RE 2: Specific target organ toxicity – repeated exposure category 2
STOT SE 3: Specific target organ toxicity – single exposure category 3
PBT: Persistent, bioaccumulative and toxic
vPvB: Very persistent and very bioaccumulative.
IVIS: In vitro irritancy score.

The information in this Safety Data Sheet (SDS) is to the best of our knowledge true and accurate but all data instructions, recommendations and/or suggestions are made without guarantee.

Since the use of this information and the conditions of use of the product are not within the control of Flavour Warehouse Ltd, trading as Vampire Vape, it is the user's obligation to determine conditions of safe use of the product.

This product should be store, handled and used in accordance with good industrial hygienic practices and in conformity with any legal regulation. The above information is based on the present state of our knowledge of the product at the time of publication. The user must satisfy himself that the product is entirely suitable for his purpose.