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# Safety Data Sheet

According to Regulation (EC) No. 1907/2006 and 1272/2008

**Prepared For:** Shenzhen Foresight Innovations Technology Co.,Ltd.

Address: Floor 4, 1# Lichun Building, Taihuawutong Industrial Park, Sanwei Community,

Hangcheng Sub-district, Bao'an District, Shenzhen, CHINA

**Product Name:** E-liquid-Cherry Fresh Apple

Trade Mark: VOZOL

Flavour: Fresh Apple

Nicotine Conc.: 20mg/mL

Prepared By: Shenzhen Element Testing Co., Ltd.

Address: 401, Plant 2, No. 76, Longlingbei Rd, Pingxi, Pingdi St, Longgang Dist,

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Signed for and on behalf of **Shenzhen Element Testing Co., Ltd.** 

Kim Zhang Technical Manager

Printing date 26.11.2021 Revision: 26.11.2021

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

· 1.1 Product identifier

· Trade name: E-liquid-Fresh Apple

- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Application of the substance / the mixture: E-liquid used in E-cigarette
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Shenzhen Foresight Innovations Technology Co., Ltd.

Floor 4, 1 # Lichun Building, Taihuawutong Industrial Park, Sanwei Community, Hangcheng Sub-district, Bao'an District, Shenzhen, CHINA

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**GERMANY** 

Poison Center Berlin - Institute of Toxicology

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## SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



GHS06 skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed. Acute Tox. 3 H331 Toxic if inhaled.

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of Regulation (EC) No 1272/2008.

· Classification system:

The classification is according to the latest edition of Regulation (EC) No 1272/2008, and extended by company and literature data.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms



GHS06

- · Signal word Danger
- · Hazard-determining components of labelling:

nicotine

5, 7-dihydro-2-methyl thieno [3,4-d] pyrimidine

· Hazard statements

H301+H331 Toxic if swallowed or if inhaled.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

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Trade name: E-liquid-Fresh Apple

(Contd. of page 1) P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P321 Specific treatment (see on this label). P330 Rinse mouth. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

EUH208 Contains Geranyl acetate, Hexen-2-al. May produce an allergic reaction.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

# SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description:

Mixture of the substances listed below with nonhazardous additions. For the wording of the listed hazard statements refer to Section 16.

Composition:		
CAS: 56-81-5 EINECS: 200-289-5	Glycerol substance with a Community workplace exposure limit	46.2%
CAS: 57-55-6 EINECS: 200-338-0	Propylene glycol substance with a Community workplace exposure limit	44.2%
CAS: 2173-56-0	pentyl valerate	2.8%
CAS: 54-11-5 EINECS: 200-193-3 Index number: 614-001-00-4	nicotine Acute Tox. 2, H300; Acute Tox. 2, H310; Acute Tox. 2, H330; Aquatic Chronic 2, H411	2.0%
CAS: 628-63-7 EINECS: 211-047-3 Index number: 607-130-00-2	pentyl acetate  Flam. Liq. 3, H226	1.5%
CAS: 36267-71-7 EINECS: 252-940-8	5,7-dihydro-2-methylthieno[3,4-d]pyrimidine  ••••• Acute Tox. 4, H302	1.5%
CAS: 540-18-1 EINECS: 208-739-2	Amyl butyrate  Flam. Liq. 3, H226	0.9%
CAS: 111-27-3 EINECS: 203-852-3 Index number: 603-059-00-6	hexan-1-ol  Acute Tox. 4, H302	0.4%
CAS: 105-87-3 EINECS: 203-341-5	Geranyl acetate  Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	0.2%
CAS: 6728-26-3 EINECS: 229-778-1	Hexen-2-al  ♠ Flam. Liq. 3, H226; ♠ Acute Tox. 3, H311; ♠ Aquatic Chronic 2, H411; ♠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1B, H317	0.1%
CAS: 53398-80-4 EINECS: 258-513-2	(E)-hex-2-enyl propionate	0.1%
CAS: 56038-13-2 EINECS: 259-952-2	Sucralose	0.1%

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## **SECTION 4: First aid measures**

#### · 4.1 Description of first aid measures

#### · General information:

Immediately remove any clothing soiled by the product.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

#### · After inhalation:

Supply fresh air or oxygen; call for doctor.

*In case of unconsciousness place patient stably in side position for transportation.* 

#### · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing:

Do not induce vomiting; call for medical help immediately.

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · Protective equipment:

Mouth respiratory protective device.

Wear fully protective suit.

#### SECTION 6: Accidental release measures

### · 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

### · 6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Dispose contaminated material as waste according to item 13.

### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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# **SECTION 7: Handling and storage**

#### · 7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- · Information about fire and explosion protection: Keep respiratory protective device available.
- · 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- · Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

56-81-5 Glycerol	t values that require monitoring at the workplace:	
AGW (Germany)	Long-term value: 200 E mg/m³ 2 (I);DFG, Y	
VLEP (France)	Long-term value: 10 mg/m³	
WEL (Great Britain)	Long-term value: 10 mg/m³	
57-55-6 Propylene gi	lycol	
MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIb und Xc	
WEL (Great Britain)	Long-term value: 474* 10** mg/m³, 150* ppm *total vapour and particulates **particulates	
PRD (Lithuania)	Long-term value: 7 mg/m³	
AER (Latvia)	Long-term value: 7 mg/m³	
54-11-5 nicotine		
IOELV (EU)	Long-term value: 0.5 mg/m³ Skin	
AGW (Germany)	Long-term value: 0.5 mg/m³ 2(II);EU, 11, 13, H	
VLEP (France)	Long-term value: 0.5 mg/m³ Risque de pénétration percutanée	
WEL (Great Britain)	Short-term value: 1.5 mg/m³ Long-term value: 0.5 mg/m³ Sk	
PRD (Lithuania)	Long-term value: 0.5 mg/m³ O	
AER (Latvia)	Long-term value: 0.5 mg/m³ Ada	
628-63-7 pentyl acete	ate	
IOELV (EU)	Short-term value: 540 mg/m³, 100 ppm Long-term value: 270 mg/m³, 50 ppm	

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AGW (Germany)	Long-term value: 270 mg/m³, 50 ppm 1(I);DFG, EU, Y	
VLEP (France)	Short-term value: 540 mg/m³, 100 ppm Long-term value: 270 mg/m³, 50 ppm	
WEL (Great Britain)	Short-term value: 541 mg/m³, 100 ppm Long-term value: 270 mg/m³, 50 ppm	
PRD (Lithuania)	Short-term value: 540 mg/m³, 100 ppm Long-term value: 270 mg/m³, 50 ppm	
AER (Latvia)	Short-term value: 540 mg/m³, 100 ppm Long-term value: 270 mg/m³, 50 ppm	
111-27-3 hexan-1-ol		
AGW (Germany)	Long-term value: 105 mg/m³, 25 ppm 1(1);AGS, Y, 11	

### · Regulatory information

AGW (Germany): TRGS 900 VLEP (France): ED 1487 12.2020 WEL (Great Britain): EH40/2020 MAK (Germany): MAK- und BAT-Liste

PRD (Lithuania): HN 23:2011

AER (Latvia): MK noteikumi Nr. 110, 23.02.2021

IOELV (EU): (EU) 2019/1831
• **DNELs:** Data not available.
• **PNECs:** Data not available.

· Additional information: The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

· Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure

#### · Appropriate engineering controls

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

See Section 7 for information about design of technical facilities.

### · Personal protective equipment

#### · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

#### · Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



Tightly sealed goggles

· Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

# SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:
Colour:
Odour:
Godour:
Fresh Apple
Odour threshold:
Data not available.

pH-value:
Data not available.

· Change in condition:

Melting point/freezing point: Data not available.

Initial boiling point and boiling range: Data not available.

· Flash point: Data not available.

· Flammability (solid, gas): Not applicable. · Auto-ignition temperature: Data not available.

· Decomposition temperature: Data not available.

· Self-igniting: Product is not selfigniting.

• Explosive properties: Product does not present an explosion hazard.

Data not available.

· Explosion limits Lower:

Upper: Data not available.

• Oxidizing properties: Data not available.

• Vapour pressure: Data not available.

• Data not available.

Density: Data not available.
Relative density: Data not available.
Vapour density: Data not available.
Evaporation rate: Data not available.

· Solubility in / Miscibility with

water: Data not available.

· Partition coefficient (n-octanol/water): Data not available.

· Viscosity:

Dynamic:Data not available.Kinematic:Data not available.

• 9.2 Other information No further relevant information available.

# SECTION 10: Stability and reactivity

- · 10.1 Reactivity No decomposition if used according to specifications.
- · 10.2 Chemical stability Stable under recommended storage conditions.

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- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

### **SECTION 11: Toxicological information**

- · 11.1 Information on toxicological effects
- · Acute toxicity

Toxic if swallowed or if inhaled.

· LD/LC50 values relevant for classification:				
54-11-5 ni	54-11-5 nicotine			
Oral	LD50	5 mg/kg (ATE)		
		50 mg/kg (rat)		
Dermal	LD50	70 mg/kg (ATE)		
		50 mg/kg (rat)		
Inhalative	LC50/4 h	0.19 mg/l (ATE)		

- · Specific symptoms in biological assay:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Subacute to chronic toxicity:
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.
- · 12.7 Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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# SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information	
14.1 UN-Number ADR/RID/ADN, IMDG, IATA	UN2810
14.2 UN proper shipping name ADR/RID/ADN IMDG, IATA	2810 TOXIC LIQUID, ORGANIC, N.O.S. (NICOTINE) TOXIC LIQUID, ORGANIC, N.O.S. (NICOTINE)
14.3 Transport hazard class(es)	
ADR/RID/ADN, IMDG, IATA	
Class	6.1 Toxic substances.
Label	6.1
14.4 Packing group ADR/RID/ADN, IMDG, IATA	III
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category Stowage Code	Warning: Toxic substances. 60 F-A,S-A A SW2 Clear of living quarters.
14.7 Transport in bulk according to Annex II o Marpol and the IBC Code	f Not applicable.
14.8 Transport/Additional information:	
ADR/RID/ADN Limited quantities (LQ): Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category: Tunnel restriction code:	2 E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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· UN "Model Regulation":

UN 2810 TOXIC LIQUID, ORGANIC, N.O.S.

(NICOTINE), 6.1, III

# **SECTION 15: Regulatory information**

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · MAK(German Maximum Workplace Concentration)

None of the ingredients is listed.

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category H2 ACUTE TOXIC
- Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- · Regulation (EU) No 649/2012

54-11-5 *nicotine* 

Annex I Part 1 Annex I Part 2

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- · REGULATION (EU) 2019/1148
- · Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- · National regulations:
- · Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- · Other regulations, limitations and prohibitive regulations
- SVHC Candidate List of REACH Regulation Annex XIV Authorisation

None of the ingredients is listed.

· REACH Regulation Annex XVII Restriction

See Section 16 for information about restriction of use.

None of the ingredients is listed.

· REACH Regulation Annex XIV Authorisation List

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

· Relevant hazard statements

H226 Flammable liquid and vapour.

H300 Fatal if swallowed.

H302 Harmful if swallowed.

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H310 Fatal in contact with skin.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

#### · Classification according to Regulation (EC) No 1272/2008

Acute toxicity - oral The classification of the mixture is generally based on the calculation method Acute toxicity - inhalation using substance data according to Regulation (EC) No 1272/2008.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

#### DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

#### · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 2: Acute toxicity - Category 2

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation - Category 1B

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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