

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: Elfbar Elfa Cranberry Grape 20mg (Contains:2-isopropyl-N,2,3-trimethylbutyramide, Benzyl alcohol, nicotine benzoate)

Other identifiers: None

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

Product uses: ELECTRONIC CIGARETTES

1.3 Details of the supplier of the safety data sheet

Company name: Elf Bar

Company address: 19H MAXGRAND PLAZA NO.3 TAI YAU STREET, SAN PO KONG KL, HONG KONG

Contact: Steve Cui

E-Mail address: support@elfbar.com

Company phone: +86 13600429390

1.4 Emergency telephone number

Emergency phone: +86 13600429390

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Acute Toxicity - Oral Category 3
Acute Toxicity - Dermal Category 2
Acute Toxicity - Inhalation Category 4
Hazardous to the Aquatic Environment - Long-term Hazard Category 3
H301, Toxic if swallowed.
H310, Fatal in contact with skin.
H332, Harmful if inhaled.
H412, Harmful to aquatic life with long lasting effects.

2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements: H301, Toxic if swallowed.
H310, Fatal in contact with skin.
H332, Harmful if inhaled.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

H412, Harmful to aquatic life with long lasting effects.

Supplemental Information: EUH208, Contains Linalool, d-Limonene. May produce an allergic reaction.

Precautionary statements:

P261, Avoid breathing vapour or dust.
 P262, Do not get in eyes, on skin or on clothing.
 P264, Wash hands and other contacted skin thoroughly after handling.
 P270, Do not eat, drink or smoke when using this product.
 P271, Use only outdoors or in a well-ventilated area.
 P273, Avoid release to the environment.
 P280, Wear protective gloves/eye protection/face protection.
 P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P302/350, IF ON SKIN: Gently wash with plenty of soap and water.
 P304/340, IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P310, Immediately call a POISON CENTER or doctor/physician.
 P330, Rinse mouth.
 P361, Remove/Take off immediately all contaminated clothing.
 P363, Wash contaminated clothing before reuse.
 P405, Store locked up.
 P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



2.3 Other hazards

Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

| Name | CAS | EC | REACH Registration No. | % | Classification for (CLP) 1272/2008 |
|------|-----|----|------------------------|---|------------------------------------|
| | | | | | |

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

| | | | | | |
|---------------------------------------|------------|-----------|--|-------|---|
| nicotine benzoate | 88660-53-1 | 828-490-9 | | 3.23% | Acute Tox. 2-Acute Tox. 1-Acute Tox. 2-Aquatic Chronic 2; H300-H310-H330-H411,- |
| 2-isopropyl-N,2,3-trimethylbutyramide | 51115-67-4 | 256-974-4 | | 1.50% | Acute Tox. 4;H302,- |
| Benzyl alcohol | 100-51-6 | 202-859-9 | | 1.29% | Acute Tox. 4-Eye Irrit. 2;H302-H319,- |
| d-Limonene | 5989-27-5 | 227-813-5 | | 0.47% | Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H304-H315-H317-H410,- |
| Acetic acid | 64-19-7 | 200-580-7 | | 0.31% | Flam. Liq. 3-Acute Tox. 4-Skin Corr. 1A-Eye Dam. 1;H226-H312-H314,- |
| Butyric acid | 107-92-6 | 203-532-3 | | 0.13% | Acute Tox. 4-Skin Corr. 1B-Eye Dam. 1;H302-H314,- |
| 2-Methylbutyric acid | 116-53-0 | 204-145-2 | | 0.13% | Acute Tox. 4-Acute Tox. 4-Skin Corr. 1B-Eye Dam. 1;H302-H312-H314,- |
| Linalool | 78-70-6 | 201-134-4 | | 0.13% | Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,- |

Substances with Community workplace exposure limits:

| Name | CAS | EC | REACH Registration No. | % | Classification for (CLP) 1272/2008 |
|-------------------|------------|-----------|------------------------|--------|---|
| Glycerol | 56-81-5 | 200-289-5 | | 40.00% | -,-,- |
| Propylene glycol | 57-55-6 | 200-338-0 | | 49.37% | -,-,- |
| nicotine benzoate | 88660-53-1 | 828-490-9 | | 3.23% | Acute Tox. 2-Acute Tox. 1-Acute Tox. 2-Aquatic Chronic 2; H300-H310-H330-H411,- |

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

- Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Eye exposure:** Check for and remove any contact lenses. Immediately flush eyes with large amounts of cold water for 15 minutes while holding eyelids open. If irritation persists, obtain medical attention.
- Skin exposure:** IF ON SKIN: Gently wash with plenty of soap and water.
- Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Toxic if swallowed.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

Fatal in contact with skin.

Harmful if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe 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 container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

7.3 Specific end use(s):

ELECTRONIC CIGARETTES: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits:

| Ingredient | CAS | EC | Description | Value |
|-------------------|------------|-----------|----------------------------|-------|
| Glycerol | 56-81-5 | 200-289-5 | UK WEL Long term mgm3 | 10 |
| | | | German WEL Long term mgm3 | 200 |
| | | | German WEL Short term mgm3 | 400 |
| Propylene glycol | 57-55-6 | 200-338-0 | UK WEL Long term mgm3 | 474 |
| | | | UK WEL Long term ppm | 150 |
| nicotine benzoate | 88660-53-1 | 828-490-9 | UK WEL Long term mgm3 | 0,5 |
| | | | UK WEL Short term mgm3 | 1,5 |

8.2 Exposure Controls

Eye / Skin Protection

If splashes are likely to occur face shield and safety glasses or goggles under EN166 as a minimum standard. Handle with gloves. Use nitrile, latex or rubber gloves, which satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 as a minimum. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good practices. Wash and dry hands.

Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|--|
| Appearance: | Not determined |
| Odour: | Not determined |
| Odour threshold: | Not determined |
| pH: | Not determined |
| Melting point / freezing point: | Not determined |
| Initial boiling point / range: | Not determined |
| Flash point: | > 70 °C |
| Evaporation rate: | Not determined |
| Flammability (solid, gas): | Not determined |
| Upper/lower flammability or explosive limits: | Product does not present an explosion hazard |
| Vapour pressure: | Not determined |
| Vapour density: | Not determined |
| Relative density: | Not determined |
| Solubility(ies): | Not determined |
| Partition coefficient: n-octanol/water: | Not determined |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Viscosity: | Not determined |
| Explosive properties: | Not expected |
| Oxidising properties: | Not expected |

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

| | |
|---|--|
| Acute Toxicity: | Acute Toxicity - Oral Category 3 Acute Toxicity - Dermal Category 2 Acute Toxicity - Inhalation Category 4 |
| Acute Toxicity Oral | 154 |
| Acute Toxicity Dermal | 155 |
| Acute Toxicity Inhalation | 15.5 |
| 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. |
| 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. |

Information about hazardous ingredients in the mixture

| Ingredient | CAS | EC | LD50/ATE Oral | LD50/ATE Dermal | LC50/ATE Inhalation | LC50 Route |
|---------------------------------------|------------|-----------|---------------|-----------------|---------------------|---------------|
| 2-isopropyl-N,2,3-trimethylbutyramide | 51115-67-4 | 256-974-4 | 500 | Not available | Not available | Not available |
| Benzyl alcohol | 100-51-6 | 202-859-9 | 1620 | 2500 | Not available | Not available |
| nicotine benzoate | 88660-53-1 | 828-490-9 | 5 | 5 | 0,5 | Not available |

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

| | 14.1 UN number: | 14.2 UN Proper Shipping Name: | 14.3 Transport hazard class(es): | Sub Risk: | 14.4 Packing Group: |
|-----------------------------|-----------------|--|----------------------------------|-----------|---------------------|
| UN Model Regulations | UN2810 | TOXIC LIQUID, ORGANIC, N.O.S. (nicotine benzoate, 2-isopropyl-N,2,3-trimethylbutyramide) | 6.1 | - | II |
| IMDG | UN2810 | TOXIC LIQUID, ORGANIC, N.O.S. (nicotine benzoate, 2-isopropyl-N,2,3-trimethylbutyramide) | 6.1 | - | II |
| ADR,RID,ADN | UN2810 | TOXIC LIQUID, ORGANIC, N.O.S. (nicotine benzoate, 2-isopropyl-N,2,3-trimethylbutyramide) | 6.1 | - | II |
| ICAO TI | UN2810 | TOXIC LIQUID, ORGANIC, N.O.S. (nicotine benzoate, 2-isopropyl-N,2,3-trimethylbutyramide) | 6.1 | - | II |

14.5 Environmental hazards: Not environmentally hazardous for transport

14.6 Special precautions for user: None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

Section 15. Regulatory information

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

Water Hazard Class (WGK): 3

15.2 Chemical Safety Assessment

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

Section 16. Other information

Concentration % Limits: EH C3=31.53%

Total Fractional Values: EH C3=3.17

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

Key to revisions:

Not applicable

Key to abbreviations:

| Abbreviation | Meaning |
|-------------------|--|
| Acute Tox. 1 | Acute Toxicity - Dermal Category 1 |
| Acute Tox. 2 | Acute Toxicity - Oral Category 2 |
| Acute Tox. 2 | Acute Toxicity - Inhalation Category 2 |
| Acute Tox. 4 | Acute Toxicity - Oral Category 4 |
| Acute Tox. 4 | Acute Toxicity - Dermal Category 4 |
| Aquatic Acute 1 | Hazardous to the Aquatic Environment - Acute Hazard Category 1 |
| Aquatic Chronic 1 | Hazardous to the Aquatic Environment - Long-term Hazard Category 1 |
| Aquatic Chronic 2 | Hazardous to the Aquatic Environment - Long-term Hazard Category 2 |
| Asp. Tox 1 | Aspiration Hazard Category 1 |
| Eye Dam. 1 | Eye Damage / Irritation Category 1 |
| Eye Irrit. 2 | Eye Damage / Irritation Category 2 |
| Flam. Liq. 3 | Flammable Liquid, Hazard Category 3 |
| H226 | Flammable liquid and vapour. |
| H300 | Fatal if swallowed. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H310 | Fatal in contact with skin. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| P210 | Keep away from heat, sparks, open flames and hot surfaces. - No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical, ventilating and lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe vapour or dust. |
| P261 | Avoid breathing vapour or dust. |
| P262 | Do not get in eyes, on skin or on clothing. |
| P264 | Wash hands and other contacted skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Elfbar Elfa Cranberry Grape 20mg

Version: 1

| | |
|---------------|--|
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/eye protection/face protection. |
| P284 | Wear respiratory protection. |
| P301/310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P301/312 | IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. |
| P301/330/331 | If swallowed: Rinse mouth. Do not induce vomiting. |
| P302/350 | IF ON SKIN: Gently wash with plenty of soap and water. |
| P302/352 | IF ON SKIN: Wash with plenty of soap and water. |
| P303/361/353 | IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304/340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P305/351/338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER or doctor/physician. |
| P330 | Rinse mouth. |
| P331 | Do not induce vomiting. |
| P333/313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337/313 | If eye irritation persists: Get medical advice/attention. |
| P361 | Remove/Take off immediately all contaminated clothing. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P363 | Wash contaminated clothing before reuse. |
| P370/378 | In case of fire: Use carbon dioxide, dry chemical, foam for extinction. |
| P391 | Collect spillage. |
| P403/233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403/235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to approved disposal site, in accordance with local regulations. |
| Skin Corr. 1A | Skin Corrosion / Irritation Category 1A |
| Skin Corr. 1B | Skin Corrosion / Irritation Category 1B |
| Skin Irrit. 2 | Skin Corrosion / Irritation Category 2 |
| Skin Sens. 1B | Sensitization - Skin Category 1B |

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.