

1. Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier:

Identification of the product : E-liquid containing 11 mg/mL of nicotine

Trade name : **Alfaliquid – 11 mg/mL**

Product sold with different flavour :

- Tobacco flavour : American, British, California, FR4, FR5, FR-K, FR-M, FR-W, Gold, Latakia, Malawia, T-Mint, Royal, Saharian, USA-MIX
- Sweet flavour : Raspberry, Pineapple, Bergamot, Cassis, Cherry, Yellow Lemon, Green Lemon, Clementine, Strawberry, Red Fruits, Kiwi, Lychee, Mandarin, Mango, Melon, Mint, Arctic Mint, Fresh Mint, Ice Mint, Green Mint, Menthocalyptus, Blackberry, Blueberry, Coconut, Orange, Blood Orange, Grapefruit, Passion fruit, Peach, Pear, Green Apple, Grapes
- Gourmet flavour : Amaretto, Anis, Peanuts, Coffee, Cinnamon, Caramel, Chocolate, Dark Chocolate, Energy drink, Orange blossom, Hazelnut, Licorice, Fir, Green tea
- Candy flavour : Banana, Cola, Strawberry, Violet
- Urban fusion : Atlanta, Aubenas, Fort de France, Malicorne, Moscou, New York, Orléans, Séoul, Stockholm, Sydney, Tunis
- Natural flavour : Citrus, Anise, Bergamot, Dark chocolate, Lemon, Lime, Melon, Clementine, Orange blossom, Mandarin, Spearmint, Orange, Blood orange, Grapefruit
- Cocktail flavour : Black Raft, Blue Crush, Brown Diamond, Dragon Oil, Fée Verte, Green Temptation, Maha Radja, Mojito, Pink Pulps, Apfle Cinnamon, Vanilla Custard

1.2 Use of the substance/preparation:

Recommended uses : For the refill of electronic cigarettes

1.3 Company/undertaking identification :

Manufacturing site address : GAIATREND SARL
10 route de Strasbourg
57410 Rohrbach-lès-Bitche / FRANCE
Tél : +33 (0)3 87 02 85 67

Contact Person : Quality Manager, Olivier Martzel
olivier.martzel@gaiatrend.fr

1.4 Emergency telephone

Emergency telephone number : I.N.R.S. : +33 (0)145 425 959

2. Hazard identification

2.1 Classification of the substance

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



SGH06
Acute Tox 3
H311

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2.1.2 Classification according to Directives 67/548/EEC or 1999/45/EC



T – Toxic


R24 – Toxic in contact with skin

2.1.3 Additional information


The full text of the classes and categories of danger, hazard statements H- and R- phrases is mentioned in Section 16.

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms	:		SGH06
Signal word	:	Danger	
Hazard statement	:	H311	Toxic in contact with skin
Precautionary statements	:	P101	If medical advice is needed, have product container or label at hand
		P102	Keep out of reach of children
		P103	Read label before use
		P280	Wear protective gloves/protective clothing/eye protection/face protection
		P302+P352	IF ON SKIN: Wash with soap and water
		P312	Call a POISON CENTER or doctor/physician if you feel unwell
		P322	Specific measures (See Section 4.1)
		P361	Remove/Take off immediately all contaminated clothing
		P363	Wash contaminated clothing before reuse
		P405	Store locked up
	P501	Dispose of contents/container in accordance with local and national regulations	
Hazard indication	:	Tactile warning on the bottle	

2.2.2 Labelling according to Directives 67/548/EEC or 1999/45/EC

Hazard symbol	:		T – Toxic
Risk phrases	:	R24– Toxic in contact with skin	
Security phrases	:	S1/2	Keep locked up and out of the reach of children
		S7	Keep container tightly closed
		S13	Keep away from food, drink and animal foodstuffs
		S15	Keep away from heat
		S24/25	Avoid contact with skin and eyes
		S27/28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap
		S36/37/39	Wear suitable protective clothing, gloves and eye/face protection
		S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
		S61	Avoid release to the environment. Refer to Section 13



Material Safety Data Sheet

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Revision issue n°2
Issue date : 28/11/2014

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Hazard indication : Tactile warning on the bottle

2.3 Other hazards

Read the label before use. Keep locked and out of reach of children.

3. Composition / information on ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

This product is a mixture.

Chemical name	CAS #	EC #	Quantity	Classification Regulation (EC) No 1272/2008
Propylene glycol	57-55-6	200-338-0	[58,78-70,38] %	Not classified
Vegetable glycerine	56-81-5	200-289-5	24 %	Not classified
Ethanol	64-17-5	200-578-6	2 %	Flam. Liq. 2, H225
Food flavouring	Not applicable		[2,60-14,00] %	According to provided MSDS
Nicotine	54-11-5	200-193-3	1,02 %	Acute Tox.1; H310 - Acute Tox.3; H301 - Aquatic Chronic 2; H411

Chemical name	CAS #	EC #	Quantity	Classification Directive No 67/548/EEC
Propylene glycol	57-55-6	200-338-0	[58,78-70,38] %	Not classified
Vegetable glycerine	56-81-5	200-289-5	24 %	Not classified
Ethanol	64-17-5	200-578-6	2 %	F; R11 Security phrases : S2, S7 and S16
Food flavouring	Non applicable		[2,60-14,00] %	According to provided MSDS
Nicotine	54-11-5	200-193-3	1,02 %	T+;R27 - T;R25 - N;R51-53 Security phrases : S1/2, S36/37, S45, S61

Additional information

For the full text of the class and hazard categories, the hazard statements and the R- and S- phrases, refer to the Section 16.

4. First aid measures

4.1 Description of first measures

- Inhalation : Move person to fresh air. If effects persist, consult a physician or poison control center.
- Skin contact : Wash immediately with flowing water.
- Eye contact : Flush immediately with gently flowing water for 15 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Do not interrupt flushing. If effects occur, consult a physician.
- Ingestion : Wash the mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

- Inhalation : May cause irritation of respiratory tract and nasal mucosa.
- Skin contact : May be irritating. No additional information available.
- Eye contact : May be irritating. No additional information available.

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Ingestion : May cause nausea, burns, after ingesting large quantities.

4.3 Indication of any immediate medical attention and special treatment needed

Monitoring of symptoms and clinical condition of the patient may be indicated. Call a POISON CENTER or doctor/physician if you feel unwell

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, carbon dioxide, dry chemical powder or foam.
Unsuitable extinguishing media : Do not spray with water-shoot.

5.2 Special hazard arising from the substance or mixture

Hazardous combustion products : Smoke may contain the original product in addition to combustion products of varying composition which may be toxic / corrosive / irritating / fuels. Combustion products may include, without limitation: Acrolein, Carbon Monoxide, Carbon Dioxide.
Specific risks : Reacts with oxidizers (strong) and with (some) acids : fire / explosion risk.
General measures : Delimit danger zones. Clean/remove contaminated clothes.

5.3 Advice for firefighters

Flammability class : No data available.
Protection equipment : SCBA. Fireproof suit. Goggles, gloves.
Fighting techniques against fire : Keep people away. Fight fire from protected location or from safe area. Keep containers cool by spraying with water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent further leakage or spillage, if possible in safe condition. Avoid runoff into sewers, to avoid any negative impact on the environment.

6.3 Methods and material for containment and cleaning up

Collect spilled substances with suitable absorbent (eg : mop, dry sand, ...). Agglomerated or recovered substances must be disposed of promptly, in accordance with the laws and regulations in force. Dispose of waste in accordance with Section 13. Dilute residues and flush the spill area with water.

6.4 Reference to other sections

To obtain information about manipulation, see Section 7.
To obtain information about protective equipment, see Section 8.



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7. Handling and storage

7.1 Precaution for safe handling

Observe the warnings on the label. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

Remove contaminated clothing and shoes.

7.2 Conditions for safe storage, including any incompatibilities

Keep the bottle tightly closed. Keep the container in a cool, well ventilated place, away from light. Keep out of reach of children. Keep it away from incompatible materials such as food.

8. Exposure controls/personal protection

8.1 Control parameters

Unknown.

8.2 Exposure controls

- Respiratory protection : -
- Eye protection : Glasses
- Hand protection : Wear compatible chemical resistant gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance
- Physical state : Liquid.
- Color : According to denomination of the product
- Odor : Characteristic of the aroma.
- pH : 8,4
- Melting point : No data available.
- Boiling point : No data available.
- Flash point : 67,2°C
- Flammability : No data available.
- Solubility : Miscible in water
Miscible in alcohol.
- Log P_{ow} : Non determined
- Viscosity : No data available.
- Density : 1,0790 (at 20°C)
- Refractive index : 1,4420 (at 20°C).
- Explosives properties : Not expected to be a fire / explosion hazard under normal conditions of use.
- Oxidising properties : No available.

9.2 Other information

No further relevant information available.

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10. Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Stability

Stable under normal conditions of use. See Section 7.2
Hygroscopic.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Avoid direct sunlight.

10.5 Incompatible materials

Oxidizing agents. Strong acids. Strong bases.

10.6 Hazardous decomposition products

Combustion : Release of toxic gases / vapors / fuels (Acrolein, CO, CO₂)

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Relevant DL/CL50 values for classification, based on **pure nicotine** (CAS: 54-11-5)

Ingestion	: 0,5 mg/ke < DL50 < 1mg/kg (human)
	This corresponds for an adult to a grip of 3,2mL of a nicotine e-liquid at 11 mg/mL
Inhalation	: Not determined
Skin	: LD50=50 mg/kg (rat)
Ocular	: Not determined
Eye irritation	: Not determined
Skin irritation	: Not determined
Carcinogenicity	: Not determined
Mutagenicity	: Not determined
Reproductive toxicity	: Not determined

12. Ecological information

12.1 Toxicity

No information on the toxicity to fish, other aquatic organisms and aquatic plants.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.



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Issue date : 28/11/2014

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13. Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with local and national regulations. Avoid release to the environment.

14. Transport information

UN Number	: No subject to regulation.
UN proper shipping name	: -
Transport hazard class	: -
Packing group	: No subject to regulation.
Environmental hazards	: In case of leakage and / or spreading, clean leaks or spills without taking unnecessary risks.
Special precautions for user	: The driver must not interfere in case of fire cargo. Do not smoke. Indicate the danger and warn other road users. Notify police and fire brigade immediately.

15. Regulatory information

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

Classified as toxic in contact with skin according to Regulation (EC) No 1272/2208.

15.2 Chemical safety assessment

No data available.

16. Other information

Application advice

Product not recommended for pregnant women.

Product prohibited to minors.

Revision v1 in the date of 28/11/2014

Full text of hazard and categories, Relevant R- and H- phrases

Acute Tox. 1	: Acute toxicity – Dermal, Hazard category 1
Acute Tox. 3	: Acute toxicity – Oral, Hazard category 3

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Acute Tox. 3	: Acute toxicity – Dermal, Hazard category 3
Aquatic Chronic 2	: Hazardous to the aquatic environment – Aquatic Chronic, Category 2
Flam. Liq. 2	: Flammable liquid, Category 2
H225	: Highly flammable liquid and vapour
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
F; R11	: Highly flammable
T+; R27	: Very toxic in contact with skin
T; R25	: Toxic if swallowed
N; R51-53	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Relevant Security phrases

S1/2	: Keep locked up and out of the reach of children
S2	: Keep out of the reach of children
S7	: Keep container tightly closed
S16	: Keep away from sources of ignition - No smoking
S36/37	: Wear suitable protective clothing and gloves
S45	: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
S61	: Avoid release to the environment. Refer to special instructions/safety data sheet

This material safety data sheet has been prepared in good faith, based on the information we could get. However, we make no warranties regarding the information contained in the sheet or on the assessment of risks, nor toxicity. Before use, please consider not only the information on the risks and toxicity but also the laws and regulations of the organization, the region and the country where the products will be used, which should be given priority. The products are intended to be used soon after purchase by security concerns. New information and / or modifications may be added late. If you must use the product after the deadline of optimal use, or if you have any questions, do not hesitate to contact us. Precautions described apply only to normal handling. If special handling, take precautions and follow the safety measures appropriate to the situation. All chemicals should be treated as " at risk and unknown toxicity " , which differ considerably depending on the conditions and handling during use and / or under the conditions and duration of storage. Products must only be handled by people with expertise and experience required or supervised by any such specialists throughout the use and to disposal. Conditions of safe use must be established under the responsibility of each user.