

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

- **Product identifier**
- **Trade name:** ELECTRONIC CIGARETTE LIQUID with 5 mg/ml nicotine
- **Article number:** Not available
- **Registration number:** Not available
- **Relevant identified uses of the substance or mixture and uses advised against:**
USING FOR ELECTRONIC CIGARETTE
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** L&A Vape Ltd.
- **Name:** Lyubomir Serafimov
- **Full address:** Bulgaria, Plovdiv 4004, K.Gerov 40 str.
- **Phone number:** +359 32 260 430
- **FAX:**
- **Further information obtainable from:** L&A Vape Ltd.
- **Emergency telephone number:** +359 32 260 430
- **Email:** info@la-vape.com
- **Reference Number:** 380 01548 0016 x.

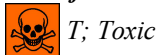
2 Hazards identification

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



Acute Tox. 4 H302 Harmful if swallowed.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



R24: Toxic in contact with skin.

- **Information concerning particular hazards for human and environment:**
The product has been classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008.
- **Classification system:**
The classification is according to the latest edition of the Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008, and extended by company and literature data.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard-determining components of labelling:**
nicotine
- **Hazard statements**
H302 Harmful if swallowed.
- **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.
 - P264 Wash thoroughly after handling.
 - P270 Do not eat or drink when using this product.

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P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.


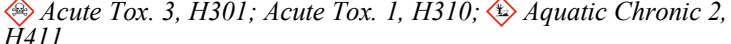

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of listed risk phrases refer to section 16.

· **Dangerous components:**

CAS: 54-11-5	nicotine	0,5%
EINECS: 200-193-3	 T+ R27; T R25; N R51/53	
EU number: 614-001-00-4	 Acute Tox. 3, H301; Acute Tox. 1, H310;  Aquatic Chronic 2, H411	

· **Non-dangerous components:**

CAS: 8037-19-2	tobacco essential oil	8,0%
CAS: 57-55-6	propane-1,2-diol	substance with a Community workplace exposure limit
EINECS: 200-338-0	(propylene glycol)	41,5%
CAS: 56-81-5	glycerol	substance with a Community workplace exposure limit
EINECS: 200-289-5		40,0%
CAS: 7732-18-5	water	10,0%

- **Remark:** Glycerol (CAS:56-81-5) Synonym: Vegetable Glycerol
- Remark: tobacco essential oil (CAS:8037-19-2) is a Foodflavor

4 First aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Firefighting measures

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

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water source.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **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.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

57-55-6 propane-1,2-diol

WEEL (USA)	10 mg/m ³
MAK (Germany)	vgl.Abschn.IIb

56-81-5 glycerol

PEL (USA)	15* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	10* ppm *Mist
MAK (Germany)	50E mg/m ³ vgl.Abschn.Xc

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54-11-5 nicotine

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<i>IOELV (EU)</i>	0,5 mg/m ³ Skin
<i>PEL (USA)</i>	0,5 mg/m ³ Skin
<i>REL (USA)</i>	0,5 mg/m ³ Skin
<i>TLV (USA)</i>	0,5 mg/m ³ Skin
<i>AGW (Germany)</i>	0,5 mg/m ³ 2(II);EU, 13, H

- **DNELs:** Not available
- **PNECs:** Not available
- **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures:**

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.

Avoid contact with the eyes and skin.

· **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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General information**

· **Appearance**

Form:

Liquid

Colour:

Light yellow to Brown

· **Odour:**

Specific for this product

· **Odour threshold:**

Not available

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· pH-value:	Not available
· Change in condition	
Melting point/Melting range:	Not available
Boiling point/Boiling range:	Not available
· Freezing point:	Not available
· Flash point:	Not available
· Flammability (solid, gaseous):	Not available
· Ignition temperature:	Not available
· Decomposition temperature:	Not available
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits	
Lower:	Not available
Upper:	Not available
· Oxidizing properties:	Not available
· Vapour pressure:	Not available
· Density:	Not available
· Relative density:	Not available
· Vapour density:	Not available
· Evaporation rate:	Not available
· Solubility in / Miscibility with water:	Not available
· Segregation coefficient (n-octanol/water):	Not available.
· Viscosity	
Dynamic:	Not available
Kinematic:	Not available
· Other information:	No further relevant information available.

10 Stability and reactivity

- **Reactivity:** Data not available
- **Chemical stability:** Data not available
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values relevant for classification:**

54-11-5 nicotine		
Oral	LD50	50 mg/kg (rat)
Dermal	LD50	50 mg/kg (rat)
56-81-5 glycerol		
Oral	LD50	12600 mg/kg (rat)

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57-55-6 propane-1,2-diol

Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	20800 mg/kg (rabbit)

- **Primary irritant effect**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Toxic
- **Toxicokinetics, metabolism and distribution:** No further relevant information available
- **Acute effects (acute toxicity, irritation and corrosivity):** No further relevant information available
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Not available

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available
- **Behaviour in environmental systems:** No further relevant information available
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **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.

14 Transport information

- | | |
|-------------------------------------|------|
| · UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
| · Class | Void |

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· Label	-
· ADN/R Class:	Void
· Packing group	
· ADR, IMDG, IATA	Void
· Environmental hazards:	-
· Marine pollutant:	No
· Special precautions for user:	Not applicable.
· Danger code (Kemler):	-
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
· Transport/Additional information:	
· ADR	-
· IMDG	-
· IATA	-
· UN "Model Regulation":	-

15 Regulatory information

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

· **Section 335(extremely hazardous substances):**

54-11-5 | nicotine

· **Section 313(specific toxic chemical listings):**

54-11-5 | nicotine

· **TSCA(Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemical known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

54-11-5 | nicotine

· **Carcinogenicity categories**

· **EPA(Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC(International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP(National toxicology Program)**

None of the ingredients is listed.

· **TLV(Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

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· **MAK(Maximum Workplace Concentration)**

None of the ingredients is listed.

· **NIOSH-Ca(National Institution for Occupational Safety & Health)**

None of the ingredients is listed.

· **OSHA-Ca(Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **National regulations**

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (20/06/2011)**

None of the ingredients is listed

· **REACH Regulation Annex XVII Restriction (21/5/2011) None of the ingredients is listed**

· **REACH Regulation Annex XIV Authorisation List (18/2/2011) None of the ingredients is listed**

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

16 Other information

The contents and format of this MSDS/SDS are in accordance with REGULATION(EC) No. 1272/2008. (EC) No. 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS/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 anyway connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

· **Relevant phrases**

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H411 Toxic to aquatic life with long lasting effects.

R25 Toxic if swallowed.

R27 Very toxic in contact with skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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