

# Material Safety Data Sheet

In accordance with the EC Regulation No 1907/2006 of the European Parliament and the Council of 18.12.2006 (REACH)

Date of the document: 17.11.2012	Version: 01/11/12	Page 1 of 6
Revision date: N/A		
Product name:	<b>liquidEU with over 1% nicotine content</b>	

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

**1.1. Product identification:** **liquidEU** with over 1% nicotine content

**1.2. Other identified applications of the substance or mixture and application advised against:**

Liquid is used as a refill/cartridge in electronic cigarettes.

**1.3. Data of the supplier of the safety data sheet:**

„WAY2WEB Sp. z o.o.” Spółka Komandytowa [Limited Partnership]

ul. Piłsudskiego 50 lok. 7

42-400 Zawiercie, **POLAND**

**Person responsible for the safety data sheet:** e-mail: [biuro@way2web.pl](mailto:biuro@way2web.pl)

**1.4. Emergency telephone number:** tel. +48 518 636 508 (from 8:00 – 16:00) or the nearest local National Fire Service.

## 2. HAZARDS IDENTIFICATION

**2.1. Classification of the substance or mixture:**

Hazardous substance.

**2.2. Label elements:**

Letter symbol and risk phrase:



T toxic

Names of hazardous ingredients mentioned on the label:

**Contains nicotine**

Risk phrases:

**R 24** Toxic in contact with skin

Safety phrases:

**S2** – keep out of the reach of children

**S24** – avoid contact with skin

**S 36/37** – wear suitable protective clothing and gloves

**S45** – in case of accident or if you feel unwell seek medical advice immediately , if possible show the label/leaflet

**2.3. Other hazards:** none

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1. Substances:** not applicable

**3.2. Mixtures:**

**3.2.1. Chemical characteristics:**

Mixture of ingredients

**3.2.2. Hazardous mixture ingredients including classification:**

**Chemical name:** Nicotine

**Range of concentration:** over 1% and below 3%

**No CAS :** 54-11-5

**EC No:** 200-193-3

**Registration No:**

Classification acc. 67/548/EC

T+, R 27

T, R 25

N, R 51-53

Classification acc. 1272/2008/WE:

Acute Tox. 1, H 310

Acute Tox. 3, H 301

Aquatic Chronic 2, H 411

**Chemical name:** apple acid

**Range of concentration:** 0,1 – 0,5%

**CAS No :** 6915-15-7

**EC No:** 230-022-8

**Registration No:** -----

Classification acc. 67/548/EC

Xi; R 36

Classification acc. 1272/2008/WE:

Eye Irrit.2, H 319

**Chemical name:** ethyl alcohol

**Range of concentration:** below 1,5%

**CAS No :** 64-17-5

**EC No:** 200-578-6

**Registration No:** 01-2119457610-43-0194

Classification acc. 67/548/EC

F, R 11

Classification acc. 1272/2008/WE:

Flam. Liq. 2, H 225

## 4. FIRST AID MEASURES

**4.1. Description of first aid measures:**

General recommendations: Follow safety rules. Do not consume nor drink in your workplace. Follow safety precautions while handling the substance.

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Inhalation: remove to fresh air, in the even the discomfort persists consult a doctor.

Eye contact: wash out for 15 minutes with plenty of water with eyelid hold wide open. Consult eye specialist.

Skin contact: wash out with plenty of water. Take off and wash contaminated clothes. In case of skin irritation consult a doctor.

Ingestion: rinse mouth, drink some water. Consult a doctor.

## 4.2. Most important acute and delayed exposure symptoms and effects:

Irritation symptoms, dizziness, nausea, agitation, cardio-vascular disorders.

## 4.3. Indications of any immediate medical attention and special treatment needed:

No information available.

## 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media:

**Suitable extinguishing media:** water, foam, CO<sub>2</sub>, powder

**Unsuitable extinguishing media:** no limitation

### 5.2. Special hazards arising from the substance or mixture:

In case of fire hazardous vapours and gases may arise, such as: nitrous gases, nitrogen oxides.

**5.3. Information for fire-fighters:** in case of fire wear protective clothing and individual protection clothes, as well as breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures:

Do not inhale vapours, sprayed liquids, guarantee ventilation.

### 6.2. Environmental precautions:

Do not dispose to sewage system.

### 6.3. Methods and materials for decontamination and cleaning up:

Seal up the sewage system. Absorb spillage with proper liquid binding/absorbing material, transfer for waste disposal.

**6.4. Reference to other sections:** not available

## 7. HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

### 7.1. Precautions for safe handling:

Avoid contamination of eyes and skin. Handle the product in accordance with instructions listed on the label/leaflet.

### 7.2. Conditions for safe storage including any incompatibilities:

E-liquid should be stored in tightly closed containers in cool, dark place, at ambient temperature, with no direct light access.

### 7.3. Specific end use(s):

Liquid used to refill cartridges for e-cigarettes.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters:

**NDS:** 0,5 mg/m<sup>3</sup>

**NDSCh:** 1,5 mg/m<sup>3</sup>

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## 8.2. Exposure controls:

Avoid skin and eyes contamination while using the product. After using it wash your hands carefully.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties:

Physical state:	liquid, colourless to yellow
Odour:	characteristic
Odour threshold:	not determined
pH:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range, °C:	not determined
Flash point, C:	not determined
Evaporation rate:	not determined
Flammability:	not determined
Upper/lower flammability:	not determined
Vapour pressure:	not determined
Vapour density:	not determined
Relative density, 20°C, g/cm <sup>3</sup> :	not determined
Solubility in water:	not soluble
Solubility in other solvents:	no data available
Partition coefficient n-octanol /water:	no data available
Autoignition temperature °C:	over 300
Decomposition temperature:	no data available
Viscosity:	no data available
Explosive properties:	not applicable
Oxidizing properties:	not applicable
9.2. Other information:	not applicable

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity:** no data available

**10.2. Chemical stability:** stable in specific storing conditions.

**10.3. Possibility of hazardous reactions:** no data available.

**10.4. Conditions to avoid:** avoid direct sunlight, source of light, heat and fire.

**10.5. Incompatible materials:** strong oxidizing agents.

**10.6. Hazardous decomposition products:** carbon monoxides, nitric oxides.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects:

nicotine

LD50 (oral, rat) 50 mg/kg

LD50 (skin, rat) 50 mg/kg

Eye contact: redness, tearing, slight irritation.

Ingestion: nausea, vomiting, in extreme cases after ingestion of substantial amount of the product symptoms of poisoning: nausea, breathing problems, dizziness, and respiratory system disorders.

Skin contact: product is toxic in skin contact, causes irritation, breathing disorders, nausea, dizziness, cramps, vomiting.

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## 12. ECOLOGICAL INFORMATION

- 12.1. Toxicity:** not classified as dangerous to environment.  
**12.2. Persistence and degradability:** no data available  
**12.3. Bioaccumulative potential:** no data available  
**12.4. Mobility in soil:** no data available  
**12.5. Results on PBT and vPvB assessment:** not evaluated  
**12.6. Other adverse effects:** no data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods:

Do not dispose to sewage system. Protect against polluting surface and ground waters. Do not store in municipal dumping areas. Product recovery and waste treatment to be carried out in pursuance of the current regulations in installations and plants complying with specific requirements (licensed waste treatment plants or the manufacturer).

## 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. Environment hazard:** not applicable  
**14.6. Special precautions for users:** not applicable  
**14.7. Transport in bulk according to Annex II to MARPOL 73/78 and IBC Code:** not applicable  
**14.8. ADR and IATA Regulations:** not applicable

## 15. REGULATORY INFORMATION

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

- Regulation of 25 February 2011 on substances and their mixtures (Journal of Laws No 63, item 322).
- EC Regulation No 1907/2006 on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing European Chemical Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as the Council Directive 76/769/EC and 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of 18 December 2006. (Journal of Laws No 396 of 30.12.2006) with further amendments.

#### Criteria and manner of classification:

Minister of Health Regulation of 10 August 2012 on criteria and manner of classification of chemical substances and mixtures (Journal of Laws 2012 item 1018).

#### Information on Occupational Health and safety (OHS) :

Regulation of 30 December 2004 on Occupational Health and Safety concerning the occurrence of harmful factors in a work place (Journal of Laws of 2005 No 11, item 86 with further amendments).

Regulation of the Minister of Labour and Social Policy of 29 November 2002 on the highest allowable intensity and concentration of noxious agents in a work place (Journal of Laws. No 217, item 1833 with further amendments).

#### Information on personal protection equipment

Regulation of the Minister of Industry and Labour of 21 December 2005 on basic requirements concerning personal protection equipment (Journal of Laws No 259 item 2173)

#### Waste disposal

Act of 27 April 2001 on waste disposal (Journal of Laws No 01.62.628 of 20 June 2001 with further amendments).

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Regulation of the Minister of Environment of 27 September 2001 on Waste Classification (Journal of Laws of 2001 No 112, item 1206).

Regulation of the Minister of Economy of 21 October 1998 on detailed regulations on hazardous waste disposal, recovery and treatment.

Act of 11 May 2001 on packaging and packaging wastes (Journal of Laws No 2001.63.638 of 22 June 2001 with further amendments).

## Transportation information

In pursuance with: European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) in pursuance with the Act on Road Transportation of Dangerous Goods of 28 October 2002 (Journal of Laws of 2002 No 199, item 1671) with further amendments.

Regulation Concerning the International Carriage of Dangerous Goods by Rail (RID) and International Maritime Dangerous Goods Code (IMDG Code) in pursuance of international conventions of SOLAS and MARPOL and Technical Instructions for Safe Transport of Dangerous Goods by Air (ICAO-TI).

## Packaging marking/labelling

Regulation of the Minister of Health of 20 April 2012 on marking/labelling packaging containing dangerous substances, dangerous mixtures and some mixtures (Journal of Laws of 2012 No 0 item 445).

## EC Regulations

Regulation of the European Parliament and the Council (EC) No 1272/ 2008 of 16 December 2008 on classification, marking, labelling, and packaging of substance and mixtures amending and repealing the Directives 67/548/EC and 1999/45/EC and amending the Regulation (EC) No 1907/2006 (Journal of Laws EU 2008 L 353).

Regulation of the Committee (EU) No 453/2010 of 20 May 2010 amending the Regulation (EC) No 1907/2006 of the European Parliament and the Council on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**15.2. Evaluation of chemical safety:** not performed

## 16. OTHER INFORMATION

Hazard symbols:

T- toxic product

T+ -

Xn – harmful product

Xi – irritating product

N – product dangerous to environment

F – flammable product

Risk phrases (R phrases):

R 24

Toxic in contact with skin

R 25

Toxic if swallowed

R 36

Irritating to eyes

R 51-53

Toxic to aquatic organisms, harmful to aquatic organisms, may cause long-term adverse in the aquatic environment

Acute Tox. 1 , H 310

Acute Tox. 3, H 301

Aquatic Chronic 2, H 411

Eye Irrit.2, H 319

Advice concerning training: people performing any work with the product should be familiar with this Material Safety Data Sheet.

Recommended restrictions of use: unknown

Amendments to the MSDS: -----

Additional information: -----

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