

Product name: **Liquid base none flavoured >5% Nicotine**

Date of issue: 31 March 2017

Print date: 03 April 2017

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

Identification of the product:

Product name: **Liquid base none flavoured >5% Nicotine**

REACH Registration Number *A registration number for this substance is not available as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2008, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.*

Relevant identified uses: Raw material for use with electric cigarettes after refinement

Manufacturer/supplier identification:

Company: **my-eLiquid** – Steiner & Steiner GbR
Kistlerhofstr 70,
D-81379 München, Tel: +49-89-8563839-0 , Fax: +49-89-8563839-2
e-mail: info@my-liquid.de

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Emergency call: +49-89-19240 Giftnotruf München

2. Hazards Identification

Classification of the preparation:

Regulation (EC) No 1272/2008

Acute toxicity, dermal Cat. 1 H310

Acute toxicity, oral, Cat. 3, H301

Aquatic chronic. Cat. 2, H 411

Label elements:



Signal word: **DANGER**

H- / P-Statements: H 301 Toxic if swallowed
H 310 Fatal in contact with skin
P 102 Keep out of reach of children
P 302 + P352 IF ON SKIN: Wash with soap and water
P 312 Call a POISON CENTER or doctor/physician if you feel unwell

Other hazards:

None known

Results of PBT- and vPvB-assessment

PBT: Not applicable

vPvB: Not applicable

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3. Composition / information on ingredients

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1,2 Propanediol

EG-No.: 200-338-0; CAS-No.: 57-55-6

content: 50-60%

Classification Regulation (EC) No 1272/2008

none

Glycerol

EG-No.: 200-289-5; CAS-No.: 56-81-5

content: 30-40%

Classification Regulation (EC) No 1272/2008

none

Nicotine

EG-No.: 200-193-3; CAS-No.: 54-11-5

content: >5%%

Classification Regulation (EC) No 1272/2008

Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 1 H310 Fatal in contact with skin.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects

4. First aid measures

4.1 Description of first aid measures

After inhalation: fresh air. Consult doctor if feeling unwell.

After skin contact: wash off with plenty of water. Remove contaminated clothing.

After eye contact: rinse out with plenty of water with the eyelid held wide open. Consult eye doctor

After swallowing: if victim is still conscious, make him drink plenty of water, Consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and special treatment needed

No information available

5. Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

CO₂, water, foam, powder

5.2 Special hazards arising from the substance or mixture

Development of hazardous combustion gases and vapours (carbonmonoxide, carbondioxide, nitric oxides NO_x) possible in the event of fire

5.3 Advice for fire-fighters

In the event of fire, wear self-contained breathing apparatus

Further information

Remove container from danger zone and cool with water

Do not empty into drains

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

do not breathe vapors / aerosols.
wear protective clothing

6.2 Environmental precautions

Do not empty into drains.

6.3 Methods and material for containment and cleaning up

Take up with liquid-absorbent material. Forward for disposal. Clean up affected area

7. Handling and storage

7.1 Precautions for safe handling

Observe label precautions

7.2 Conditions for safe storage, including any incompatibilities

Keep container away from sources of ignition
Tightly closed at a cool dark and dry place. (15-20°C)

7.3 Specific end uses:

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls / personal protection

8.1 Control parameters

| | | |
|----------|--------------------|--|
| Nicotine | Germany: | Limit value -8h 0,5 mg/m ³ |
| | European Union: | Limit value -8h 0,5 mg/m ³ |
| | USA (OSHA, NIOSH) | Limit value -8h 0,5 mg/m ³ |
| Glycerol | Germany (TRGS 900) | DNEL 56mg/m ³ |
| | USA (OSHA) | 15 mg/m ³ inhalable dust, 5 mg/m ³ respirable dust |

8.2 Exposure controls

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier



Respiratory protection: required when dusts are generated
Filter A-(P2) (EN 141)



Eye protection: required (EN 166)



Hand protection:

in full contact:
Glove material: nitrile rubber
Layer thickness: 0,11 mm
Breakthrough time: > 480 min

in splash contact:
Glove material: nitrile rubber
Layer thickness: 0,11 mm
Breakthrough time: > 480 min

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The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374

Additional reference:

The data are based on own examinations, literature data and information from glove manufacturers or are derived by analogy reasoning from similar materials.

It is to be noted that the daily life of a chemical protection glove can be clearly shorter in practice because of the many factors of influence (e.g. temperature, stretch etc.) than the permeation time determined after EN 374.

Industrial hygiene:

Change contaminated clothing. Wash hands and face after working with substance. .

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|----------------------------------|
| Physical state: | liquid |
| colour: | none |
| odour: | none |
| Boiling point: | 100°C |
| Flashpoint: | 190°C |
| Ignition temperature: | not detected |
| Vapour pressure: | 20°C not detected |
| Density | : 20°C 1,04 g/cm ³ |
| Water solubility | 20°C miscible in all proportions |
| pH-Value | 20°C 6-8 |

10. Stability and reactivity

10.1 Reactivity

Dusts may form explosive mixture with air

10.2 Chemical stability

Stable under standard ambient conditions (room temperature)

10.3 Possibility of hazardous reactions

Increased reactivity with oxidizing agents, Acid anhydrides, acid chlorides

10.4 Conditions to avoid:

Strong heating

10.5 Incompatible materials:

Different plastic material

10.6 Hazardous decomposition products:

no information available

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11. Toxicological information

11.1 Information on toxicological effects

Nicotine:

LD₅₀ (oral, rat) 50 mg/kg (RTECS)

LD₅₀ (dermal, rabbit) 50 mg/kg (RTECS)

1,2 Propandiole:

LD₅₀ (oral, rat) 19400-36000 mg/kg

LD₅₀ (dermal, rabbit) 20800 mg/kg

Glycerol:

LD₅₀ (oral, rat) 12600 mg/kg (TOXNET)

LD₅₀ (dermal, rabbit) > 10000 mg/kg (TOXNET)

Compounds resulting in oral toxicity:

Nicotine (5,0 %), LD 50 (oral): ATE 100 mg/kg

Calculated assessed value oral toxicity: ATE (mix): 2000mg/kg

Compounds resulting in dermal toxicity:

Nicotine (3,0 %), LD 50 (dermal): 50 mg/kg

Calculated assessed value dermal toxicity: ATE (mix): 1000 mg/kg

After eye contact: slight irritations

After swallowing of large amounts: nausea, emesis

Sensitisation:

No sensititation known.

CMR-effects:

CMR-effects not known.

11.2 Further information:

Handle in accordance with good industrial hygiene and safety practice

12. Ecological information

12.1 Toxicity:

For this product no quantitative data available

12.2 Persistence and degradability

For this product no quantitative data available

12.3 Bioaccumulative potential

Bioaccumulation is not expected

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

PBT- / vPvB assessment not available as chemical safety assessment not required.

12.6 Other adverse effects:

No ecological problems are to be expected when the product is handled and used with due care and attention.

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13. Disposal considerations

Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

Classification:

ADR/RID UN 3144 NICOTINE PREPARATION, LIQUID, n.o.s., 6.1, III

IATA UN 3144 NICOTINE PREPARATION, LIQUID, n.o.s., 6.1, III
Environmentally hazardous yes



15. Regulatory information

EU regulations

Occupational restrictions: Take note of Dir 94/33/EC on the protection of young people at work.

National regulations:

16. Other information

Full text of R-phrases and H-statements referred to under section 2 and 3 :

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H411 Toxic to aquatic life with long lasting effects.

Training advice:

Provide adequate information, instruction and training for operators.

Legend to abbreviations and acronyms used in the safety data sheet:

Used abbreviations and acronyms can be looked up at www.wikipedia.org

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.