SAFETY DATA SHEET

[IN ACCORDANCE WITH THE CRITERIA OF REGULATION NO 1907/2006 (REACH) AND2020/878]

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

1.1 Product identifiers

Product Name: Love 66 E-Liquid

Product Number: DS-1560-9#R1

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

Identified uses: liquid filling for electronic cigarettes

Uses advised against: not determined

1.3 Details of the supplier of the safety data sheet

Company: Shenzhen IPURE Bio-Technique Co.,Ltd

Address: 1/F, No.129 Furong Sixth Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen

Telephone: +86 0755-23502117

E-mail address: ipurejuice@163.com

1.4 Emergency telephone number

Telephone:110

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation 1272/2008/EC

None

2.2 Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary Statements:

P101:If medical advice is needed, have product container or label at hand.

P102:Keep out of reach of children.

P103:Read carefully and follow all instructions.

P501:Dispose of contents/container to designated place in accordance with local/regional/national/international regulations.

Additional information:

EUH208 Contains (R)-p-mentha-1,8-diene.May produce an allergic reaction.

2.3 Other hazards:

Annex XIII Product does not contain ingredients, which should meet the criteria for vPvB and PBT according to

Regulation (EC) No 1907/2006.

Annex XIII Product does not contain ingredients, which should meet the criteria for endocrine disrupting properties according to Regulation (EC) No 1907/2006, (EU) 2017/2100 or (EU) 2018/605

Section 3: Composition/information on ingredients

3.1 Substance: Not applicable. Please refer to 3.2 for more information.

3.2 Mixtures:

Name	CAS number	Classification acc. to 1272/2008/EC	Weight % content
Propane-1,2-diol	57-55-6	Substance is not classified as hazardous	76.25
Triacetin	102-76-1	Substance is not classified as hazardous	7.74
2-isopropyl-N,2,3-trimethylbutyramide	51115-67-4	Acute Tox. 4（H302）	7.04
Ethanol	64-17-5	Flam. Liq. 2（H225）	2.90
Isobutyl acetate	110-19-0	Flam. Liq. 2（H225）	1.57
Vanillin	121-33-5	Eye Irrit. 2（H319）	1.43
2-methoxy-4-(4-methyl-1,3-dioxolan-2-yl)phenol	68527-74-2	Substance is not classified as hazardous	1.04
Menthol	89-78-1	Skin Irrit. 2（H315） Eye Irrit. 2（H319）	0.50
Ethyl butyrate	105-54-4	Flam. Liq. 3（H226） Eye Irrit. 2（H319）	0.32
Ethyl 2-methylbutyrate	7452-79-1	Flam. Liq. 3（H226）	0.27
Ethyl cinnamate	103-36-6	Substance is not classified as hazardous	0.22
Ethyl propionate	105-37-3	Flam. Liq. 2（H225）	0.14
Hexyl acetate	142-92-7	Flam. Liq. 3（H226）	0.13
N-butyl acetate	123-86-4	Flam. Liq. 3（H226） STOT SE 3（H336）	0.13
(R)-p-mentha-1,8-diene	5989-27-5	Flam. Liq. 3（H226） Skin Irrit. 2（H315） Skin Sens. 1B（H317） Asp. Tox. 1（H304）	0.12

		Aquatic Acute 1（H400） Aquatic Chronic 3（H412）	
(E)-hex-3-enyl acetate	3681-82-1	Flam. Liq. 3（H226）	0.10
Benzyl alcohol	100-51-6	Acute Tox. 4 *（H302） Acute Tox. 4 *（H332）	0.10

Additional information:

Substances for which there are Union workplace exposure limits are listed in SECTION 8.

For full text of H-statements: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures

General information: Symptoms of poisoning may even occur after several hours; Therefore medical observation for at least 48 hours after the accident. In case of irregular breathing or respiratory arrest provide artificial respiration. Immediately remove any clothing soiled by the product.

Skin contact: take off contaminated clothing. Wash the contaminated skin with water and soap. Immediately consult a doctor.

Eye contact: remove contact lenses. Wash the contaminated eye with plenty of water for at least 15 minutes. Avoid powerful water stream. Consult a doctor if disturbing symptoms occur.

Ingestion: do not induce vomiting. Rinse mouth with water. Never give anything to drink to an unconscious person. Consult a doctor. Show the container or label.

Inhalation: Remove to fresh air. Keep warm and calm. Consult a doctor, if disturbing symptoms appear.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: redness, dryness, itching. The product is absorbed by skin and causes the same symptoms as after ingestion: problems with breathing, dizziness, spasms, nausea, vomiting and in extreme cases-death.

Eye contact: redness, tearing, possible temporary irritation.

Ingestion: nausea, vomiting, in extreme cases, after drinking large quantity of the product, following symptoms may occur: nausea, problems with breathing, dizziness, contractions, disorders of the respiratory system.

Inhalation: in case of exposure on doses above the occupational exposure limits, symptoms of acute nicotine toxicity are: rapid breathing, nausea, vomiting, headache, dizziness, diarrhea, tachycardia, increased blood pressure, sweating, salivation, burning sensation in the oral cavity, throat and stomach.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

Symptomatic treatment.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Foam, dry extinguishing agents, water spray.

Unsuitable extinguishing media: Water jet - risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

During the fire, the product may produce toxic fumes of carbon monoxide and dioxide, nitric oxides and other unidentified products of thermal decomposition. Do not inhale combustion products.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Avoid contact with skin and eyes. Use personal protective measures.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Material may be hazardous if released in large quantities to the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Damaged container put in emergency container. Absorb leakage with incombustible liquid-binding material (e.g. sand, earth, universal binders, silica, vermiculite) and collect mechanically into properly labeled containers for disposal. Clean the contaminated place.

6.4 Reference to other sections: Section 13 and section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid skin and eyes contamination. Before break and after work wash hands carefully. Use personal protective measures. Ensure adequate ventilation. Do not let the product to get into mouth.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original, tightly closed containers in a cool and well-ventilated area. Keep away from food, beverages or feed for animals. Avoid direct exposure to sunlight. Keep away from strong acids and oxidizing agents. After opening, seal the container and store in an upright position to prevent leakage.

7.3 Specific end use(s)

Liquid filling for e-liquid.

Section 8: Exposure controls/personal protection

8.1 Control parameters

1,2-Propylene glycol	REACH Regulations	10 mg/m^3 Inhalation, local effects Long-term exposure 168 mg/m^3 Inhalation, systemic effects Long-term exposure
	United Kingdom	474 mg/m^3 (8 h)
	Norway	79 mg/m^3 (8 h)
	Ireland	470 mg/m^3 (8 h)- Vapor and particulates 10 mg/m^3 (8 h)- Particulates

Legal Basis: Commission Directive 2006/15/EC, 200/39/EC, 2009/161/EC.

Recommended control procedures

Procedures Concerning the control over the dangerous component concentrations in the air and control over the air quality in the workplace in Accordance with the European Standards.

8.2 Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. Ensure exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure eye stations and safety showers.

Hand and body protection:

In case of short-term contact use protective gloves made of nitrile rubber (minimal thickness: 0.2 mm; breakthrough time > 30 minutes). In case of long-term contact use protective gloves made of butyl rubber (minimal thickness: 0.3 mm, breakthrough time > 480 minutes).

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation.

Eye protection:

Wear tightly fitting safety glasses if there is a risk of eye contamination.

Respiratory protection:

In case of normal use, in accordance with the intended use, it is not necessary.

Applied personal protective equipment must comply with the requirements of the Directive 89/686/EC. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

8.3 Environmental exposure controls

Do not allow to enter large amounts of product to reach ground water, sewage, waste water or soil.

Section9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Light yellow oily liquid at room temperature

Odor: Love 66

Odor threshold: Not available

pH: 5.03

Melting point/freezing range: Not available

Initial boiling point and boiling range: Not available

Flash point: Not available

Evaporation rate: Not available

Flammability (solid, gaseous): This product is liquid, not available.

Particle characteristics (solid): This product is liquid, not available.

Upper/lower flammability or explosive limits: Not available

Vapour pressure: Not available

Relative vapour density: Not available

Relative density (water = 1 g/mL): 1.026

Solubility(ies): Not available

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Product is not self-igniting.

Decomposition temperature: Not available

Kinematic viscosity: 28.9 mPa • s

9.2 Other information: Not available

Section10: Stability and reactivity

10.1 Reactivity: Product is feebly reactive. Product does not undergo a dangerous polymerization. See also 10.4-10.5

10.2 Chemical stability: The product is stable under normal storage and using condition.

10.3 Possibility of hazardous reactions: Dangerous reactions are not known.

10.4 Conditions to avoid: Avoid direct exposure to sunlight.

10.5 Incompatible materials: Strong oxidizing agents, acids.

10.6 Hazardous decomposition products: Not available

Section11:Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Based on available data, the classification criteria are not met.

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 sensitization:

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.

Summary of evaluation of the CMR properties:

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.

Section12:Ecological information

12.1 Toxicity

Data for the mixture are not available.

12.2 Persistence and degradability

Data for the mixture are not available.

1,2-Propylene glycol	
OECD Guideline 301F	81% biodegradation
Biodegradation in soil	High concentrations of Propylene glycol released into a soil environment can be expected to biodegrade.
Phototransformation in water	DT_{50} = 1.3 year
Glycerol	
Biodegradation in water	Readily biodegradable

12.3 Bioaccumulative potential

Data for the mixture are not available.

1,2-propylene glycol	
BCF	0.09
Glycerol	
Log Pow	-1.75 (pH=7.4, 25℃)

12.4 Mobility in soil

Data for the mixture are not available.

1,2-propylene glycol	
Koc	2.9 (calculated from log Pow = -1.07 using the equation from the TGD (non-hydrophobics)
Henry's Law constant	0.06 atm m^3/mol (12 ℃)
Glycerol	
Henry's Law Constant (H):	0 atm m^3/mol

12.5 Results of PBT and vPvB assessment

Product does not contain ingredients, which meet criteria for PBT or vPvB.

12.6 Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer.

Section13: Disposal considerations

13.1 Waste treatment methods

Disposal method for the product: disposal in accordance with the local legislation. Do not empty into drains. Waste code should be given in the place of waste formation. The classification of this waste meets criteria for dangerous

waste.

Disposal methods for used packing: reuse/recycling/liquidation of empty containers dispose in accordance with the local legislation. The classification of this waste meets criteria for dangerous waste.

Legal Basis: Directive 2008/98/EC, 94/62/EC.

Section14:Transport information

14.1. UN number

ADR: Not available

IMDG: Not available

ICAO: Not available

14.2. UN proper shipping name

ADR: Not available

IMDG: Not available

ICAO: Not available

14.3. Transport hazard class(es)

ADR: Not available

IMDG class: Not available

ICAO class: Not available

Transport pictograms on the label:

Not available

14.4. Packing group

ADR: Not available

IMDG: Not available

ICAO: Not available

14.5. Environmental hazards

Not available

14.6. Special precautions for user

Not available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code"

Not available

Section15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EU) 2018/605 of 19 April 2018 amending Annex II to Regulation (EC) No 1107/2009 by setting out scientific criteria for the determination of endocrine disrupting properties.

Regulation (EU) 2017/2100 of 4 September 2017 setting out scientific criteria for the determination of endocrine-disrupting properties pursuant to Regulation (EU) No 528/2012 of the European Parliament and Council.

Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC (Text with EEA relevance).

Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (Text with EEA relevance).

Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and

repealing certain Directives.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

Economic commission for Europe Committee on Inland Transport ECE/TRANS/257(Vol. Ⅰ) of applicable as from 1 January 2017 European Agreement concerning the International Carriage of Dangerous (ADR)

Convention concerning International Carriage by Rail (COTIF): Appendix C – Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) with effect from 1 January 2017.

Technical Instructions for the Safe Transport of Dangerous Goods by Air: Order Number: Doc 9284, 2017-2018 Edition.

15.2 Chemical safety assessment:

A Chemical Safety Assessment is not required for mixtures in accordance with REACH Regulation.

Section16: Other information

16.1 Full text if indicated H phrases mentioned:

H225: Highly flammable liquid and vapour

H226: Flammable liquid and vapour

H302: Harmful if swallowed

H304: May be fatal if swallowed and enters airways

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H332: Harmful if inhaled

H336: May cause drowsiness or dizziness

H400: Very toxic to aquatic life

H412: Harmful to aquatic life with long-lasting effects

Clarifications of aberrations and acronyms:

Flam. Liq. 2: Flammable liquids,Category 2

Flam. Liq. 3: Flammable liquids,Category 3

Acute Tox. 4: Acute toxicity, oral,Category 4

Asp. Tox. 1: Aspiration hazard,Category 1

Skin Corr. 2: Skin corrosion/irritation,Category 2

Skin Sens. 1: Sensitization, Skin,Category 1

Eye Dam. 2 A: Serious eye damage/eye irritation,Category 2 A

Acute Tox. 4: Acute toxicity, inhalation,Category 4

STOT SE 3: Specific target organ toxicity, single exposure; Narcotic effects,Category 3

Aquatic Acute 1: Hazardous to the aquatic environment, acute hazard,Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard,Category 3

PBT: Persistent, Bioaccumulative and Toxic substance

vPvB: very Persistent, very Bioaccumulative substance

OECD: Organisation for Economic Co-operation and Development

OEL value: Occupational exposure limit value

LC_{50}: Median Lethal concentration

LD_{50}: Median Lethal dose

ATEmix: Acute Toxicity Estimate of mixture

bw: body weight

LoW: List of Wastes

Trainings:

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

Key literature references and sources for data

This SDS was prepared on the basis of sheets of the individual components, literature data, online databases (eg. ECHA) as well as our knowledge and experience, taking into account current legislation.

Methods of evaluating information which was used for the purpose of classification acc. Regulation (EC) No 1272/2008:

None

Methods of evaluating information which was used for the purpose of transport acc. ECE/TRANS/242 (Vol.I):

Calculation method

Other data:

Purity of the ingredients present in Section 3 is > 98%, and does not affect the classification.

Date of update: 20260402

Version: 1.1

Modifications: Section 3

Composed by: HuiLin Zou

THIS SDS ANNULS AND REPLEACES ALL PREVIOUS VERSIONS

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