

Material Safety Data Sheet

安全技术说明书

According to (EC) No 1272/2008

Section 1-Chemical Product & Company Identification

(a) Product identifier

Product Name: Fresh Mint/新鲜薄荷 (YTCJXB250305-2 17mg/g)

(b) Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: liquid filling for e-cigarettes

Uses advised against: not determined

(c) Detail of the supplier of the safety data sheet

Supplier: Building No. 8, Floors 1-5, Zhixing 2nd Road North, Heyi Area, Shajing Street, Bao'an District, Shenzhen, Guangdong, China.

E-Mail: amywang@ytoojuice.com

(d) Emergency telephone number:

13058135110

Section 2-Hazards Identification

(a) classification of the substance or mixture

Classification according to OSHA Hazard Communication Standard((EC)No 1272/2008)

Acute toxicity(oral), category 3;H301

Toxic if swallowed.

Acute toxicity(dermal), category 4;H312

Harmful in contact with skin.

Acute toxicity(inhalation), category 4;H332

Harmful if inhaled.

Aquatic Chronic 3, H412

Harmful to aquatic life with long lasting effects

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of Regulation (EC) No 1272/2008.

· Classification system:

The classification is according to the latest edition of Regulation (EC) No 1272/2008, and extended by company and literature data.

(b) Label elements, including precautionary statements

According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006



Danger

Hazard-determining components of labelling: Nicotine

Hazard statements:

H301 Toxic if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P264 – Wash hands thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P321 – Specific treatment (see explain on this label).

P330 – Rinse mouth.

P405 – Store locked up.

P501 – Dispose of contents

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.

P312 – Call a POISON CENTER or doctor if you feel unwell.

P322 – Specific measures (see explain on this label).

P363 – Wash contaminated clothing before reuse.

(c)Other hazards

The product does not contain ingredients meeting criteria for Substances of Very High Concern in accordance with REACH Regulation.

Section 3-Composition/Information on Ingredients

(a)Mixtures:

Components				
NO	Name	CAS No	Weight % content	Classification according to Regulation(EC) No 1272/2008
1	Propylene Glycol	57-55-6	54.27	Substance is not classified as hazardous.
2	Glycerin	56-81-5	36.33	Substance is not classified as hazardous.
3	Carvone	99-49-0	2.57	Skin Sens. 1 (H317)
4	WS-23	51115-67-4	1.92	Acute Tox. 4 (H302)
5	Nicotine	54-11-5	1.7	Acute Tox. 2 (H300) Acute Tox. 2 (H310) Acute Tox. 2 (H330) Aquatic Chronic 2 (H411)
6	dl-Menthol	15356-70-4	1.22	Not available
7	Benzoic acid	65-85-0	0.92	Skin Irrit.2 (H315) Eye Dam.1 (H318) STOT RE 1 (H372)
8	Menthyl acetate	16409-45-3	0.36	Aquatic Chronic 2 (H411)
9	Cyclohexanecarboxamide, N-ethyl-5-methyl-2-(1-methylethyl)-	39711-79-0	0.25	Substance is not classified as hazardous.
10	l-Menthone	14073-97-3	0.19	Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
11	D-Limonene	5989-27-5	0.06	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
12	Propanoic acid	79-09-4	0.06	Skin Corr. 1B (H314)
13	Eucalyptol	470-82-6	0.04	Flam. Liq. 3 (H226) Skin Sens. 1B (H317)
14	Acetic acid	64-19-7	0.04	Flam. Liq. 3 (H226) Skin Corr. 1A (H314)
15	Cyclohexanone, 5-methyl-2-(1-methylethyl)-, cis-	491-07-6	0.04	Skin Irrit.2 (H315) Skin Sens.1 (H317)
16	3-Hexen-1-ol, (Z)-	928-96-1	0.03	Flam. Liq. 3 (H226) Eye Irrit. 2 (H319)
			100	

Section 4- First Aid measures

(a)Description of first aid measures

General advice: In case of accident or unwellness, seek medical advice immediately

Inhalation: If fumes or combustion products are inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell

Ingestion: Give water to rinse out mouth, then drink plenty of water, vomiting, and go to a doctor

Eye contact: Keep eyelids apart and away from eye and moving the eyelids by lifting the upper and lower lids occasionally, flush eyes with plenty of water or saline water for at least 15 minutes, call a physician if irritation persists.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

(b)Most important symptoms and effects, both acute and delayed:

Skin contact: redness, dryness, itching. The product is absorbed by skin and cause 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, contraction, 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.

(c)Indication of any immediate medical attention and special treatment needed

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

Section 5- Fire Fighting Measures

(a)Extinguishing media

Suitable extinguishing media: Water spray, CO₂, Extinguishing powder, Resistant Foam

Unsuitable extinguishing media: No information available

(b)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.

(c)Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear;

Prevent, by any means available, spillage from entering drains or water courses;

Use water delivered as a fine spray to control fire and cool adjacent area.

Section 6- Accidental Release Measures

(a)Personal precautions, protective equipment and emergency procedures:

Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapors/spray.

(b)Environmental precautions:

Prevent product from entering drains

(c)Methods and material for containment and cleaning up:

Pick up and transfer to properly labeled containers. Dispose contaminated material as waste according to section 13.

Section 7-Handling and Storage

(a)Precautions for safe handling

Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid contact with eyes and skin. For the general occupational hygienic measures refer to Section8.

(b)Conditions for safe storage,including and incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture and fire. Store away from foodstuffs. Equipped with corresponding varieties and number of fire equipment and leakage emergency treatment equipment.

Section 8-Exposure Controls/Personal protection

(a)Control parameters:

Substance	Country	OEL value
Nicotine	Work evaluating existing limits,Germany, Denmark, France, Norway, Belgium, Spain, Ireland	0.5 mg/m3 (8 h)
	Finland, United Kingdom	0.5 mg/m3 (8 h) 1.5 mg/m3 (15 min)
	Austria, Switzerland	0.5 mg/m3 (8 h) 2 mg/m3 (15 min)
	Sweden	0.1 mg/m3 (8 h)
	Ireland	470 mg/m3 (8 h)- Vapor and particulates 10 mg/m3 (8 h)- Particulates
Glycerol	American Conference of Governmental Industrial Hygienists	79 mg/m3 (8 h)
	REACH Regulations	56 mg/m3 Inhalation, local effects Long-term exposure
	Finland	20 mg/m3 (8 h)
	France, United Kingdom, Switzerland, Belgium, Spain, Ireland	10 mg/m3 (8 h)
Propylene glycol	REACH Regulations	10 mg/m3 Inhalation, local effects Long-term exposure 168 mg/m3 Inhalation, systemic effects Long-term exposure
	United Kingdom	474 mg/m3 (8 h)
	Norway	79 mg/m3 (8 h)
	Ireland	470 mg/m3 (8 h)- Vapor and particulates 10 mg/m3 (8 h)- Particulates

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

(b)Exposure controls:

Ensure adequate ventilation, especially in confined areas.

(c)Personal protective equipment:

Respiration protection: Special protection is generally not required, but if exposed to dust, it is recommended to wear self absorption filter dust masks.

Skin protection: Wear suitable protective clothing and gloves.

Eye protection: Not necessary under normal conditions. Wearing chemical safety protective glasses if necessary.

Hygiene Measures: Wash hands or take a shower after working.

(d)Environmental exposure controls:

Avoid release to the environment.

Section 9-Physical and Chemical Properties

Appearance: transparent oily liquid at room temperature

pH value: Not available

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

Upper/lower flammability or explosive limits: Not available
Vapour pressure: Not available
Vapour density: Not available
Relative density(water=1g/ml): Not available
Solubility(ies): Not available
Partition coefficient:n-octanol/water: Not available
Auto-ignition temperature: Product is not self-igniting
Decomposition temperature: Not available
Viscosity: Not available
Explosive properties: Product does not present an explosion hazard
Oxidising properties: Not available

Section 10-Stability and reactivity

(a) **Reactivity:** Product is feebly reactive and is stable under normal conditions.
(b) **Chemical stability:** Stable under recommended storage conditions.
(c) **Possibility of hazardous reaction:** None under normal processing.
(d) **Conditions to avoid:** Avoid direct exposure to sunlight.
(e) **Incompatible materials:** Strong oxidizing agents, acids.
(f) **Hazardous decomposition products:** Not available

Section 11-Toxicological Information

Toxicity of components

LD/LC50 values relevant for classification:		
CAS: 54-11-5 Nicotine		
Oral	LD50	5 mg/kg bw
Dermal	LD50	70 mg/kg bw
Inhalation	LC50	0.19 mg/L (dusts/mists)
CAS No.: 51115-67-4 WS-23		
oral	LD50	533 mg/kg bw (male) 490 mg/kg bw (female)

Toxicity of the mixture

The acute toxicity estimate (ATEmix) for the classification of a substance in a mixture was determined using the appropriate value from ECHA website.

Skin corrosion/irritation: Not classified
Serious eye damage/eye irritation: Not classified
Sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

Section 12-Ecological Information

Toxicity: No information available
Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

Section 13- Disposal Considerations

Waste treatment methods:

Observe local, state and federal laws and regulation.

Packaging disposal recommendation: Containers may be recycled or re-used. Observe local, state and federal laws and regulation. The potential effects on the environment and human health of the substances used in material; the desirability of not disposing of waste material as unsorted municipal waste and of participating in their separate collection so as to facilitate treatment and recycling.

Section 14-Transport Information

14.1. UN number:

ADR: UN 3144

IMDG: UN 3144

ICAO: UN 3144

14.2. proper shipping name:

ADR: NICOTINE PREPARATION, LIQUID, N.O.S. (Nicotine)

IMDG: NICOTINE PREPARATION, LIQUID, N.O.S. (Nicotine)

ICAO: NICOTINE PREPARATION, LIQUID, N.O.S. (Nicotine)

14.3. Transport hazard class(es):

ADR: Class 6.1: Toxic substances

IMDG class: Class 6.1: Toxic substances

ICAO class: Class 6.1: Toxic substances

Transport pictograms on the label:Section15: Regulatory information

Section16: Other information

14.4. Packing group:

ADR: III

IMDG: III

ICAO: III

14.5. Environmental hazards:

Not available

14.6. Special precautions for user:

Move carefully to prevent leakage during carriage. Keep necessary protective articles at hand in case of accident.

Use emergency escape mask when in need.

Section 15-Regulatory Information

Regulation (EC) No 1907/2006

Regulation (EC) No 1272/2008

Commission Regulation (EU) No 2015/830

Commission Regulation (EU) No 2015/830

Directive 2008/98/EC

European Parliament and Council Directive 94/62/EC

Economic commission for Europe Committee on Inland Transport ECE/TRANS/257(Vol.I)

Convention concerning International Carriage by Rail(COTIF):Appendix C-Regulations concerning the International Carriage of Dangerous Goods by Rail(RID)

Technical Instructions for the Safe Transport of Dangerous Goods by Air

Dangerous Goods Regulations

Recommendation of the Transport of Dangerous Goods Model Regulations

International Maritime Dangerous Goods

Technical Instructions for the Safe Transport of Dangerous Goods

Classification and code of dangerous goods

Toxic Substance Control Act

Consumer Product Safety Act

Federal Environmental Pollution Control Act

Superfund Amendments and Reauthorization Act TitleIII(302/311/312/313)

The oil Pollution Act

Resource Conservation and Recovery Act

Safety Drinking Water Act

California Proposition 65

Code of Federal Regulations

Section 16-Additional Information

Full text if indicated H phrases mentioned in section 2,3:

H301:Toxic if swallowed
H312: harmful in contact with skin
H332: harmful if inhaled
H412:Harmful to aquatic life with long lasting effects
H225:Highly flammable liquid and vapour
H226:Flammable liquid and vapour
H314:Causes severe skin burns and eye damage
H319:Causes serious eye irritation
H317:May cause an allergic skin reaction
H400:Very toxic to aquatic life
H410:Very toxic to aquatic life with long lasting effects
H318:Causes serious eye damage

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 MSDS 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 transport acc.

ECE/TRANS/242 (Vol.I):

Not applicable

Other data

Purity of the ingredients present in Section 3 is > 90%, and does not affect the classification

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The information above is believed to be accurate and represents the best information currently available to us. However all these make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situation, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.