

MSDS Report

ACCREDITATION CERTIFICATE OF CHINA NATIONAL
ACCREDITATION BOARD FOR LABORATORIES (No.L0412)

Samples E-cigarettes use liquid

Client Unit CIXI E-CIG TECHNOLOGH INC., LTD.

Client Address NO. 145 DanShan N. RD 2-4 F1 High-Tech Building,
Cixi City, Zhejiang China

Shanghai Pony Test Technical Co., Ltd.
<http://www.ponytestsh.com>

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Sample Name: E-cigarettes use liquid

Synonyms: --

Molecular Formula: --

Company Identification: CIXI E-CIG TECHNOLOGH INC., LTD.

Mainland Address: NO. 145 DanShan N. RD 2-4 F1 High-Tech Building, Cixi
City, Zhejiang China

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Section 2 - Composition, Information on Ingredients

Chemical Name	Percent	CAS No.	EINECS/ELINCS
Acetylpyrazine	3%	22047-25-2	244-753-5
beta-Ionone	5%	8013-90-9	232-396-8
Dimethylpyrazine	2%	123-32-0	204-618-3
Ethylpyrazine	4%	13925-00-3	237-691-5
Glycerol	2%	56-81-5	200-289-5
Linalool	5%	78-70-6	201-134-4
Flavoring essence for tobacco	15%	N/A	N/A
Methyl butyric acid	6%	116-53-0	204-145-2
Propylene glycol	1%	57-55-6	200-338-0
Rose oil	4%	8007-01-0	283-289-8
Orient tobacco absolute	30%	nature from tobacco	nature from tobacco
Tobacco essential oil	5%	nature from tobacco	nature from tobacco
Trimethylcyclohex-2-buten e-4-one	1%	23696-85-7	245-833-2
Trimethylpyrazine	2%	14667-55-1	238-712-0
Vanilla extract	2%	8024-6-4	N/A
Pure water	13%	7732-18-5	231-791-2

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

In general, flavor and fragrance materials are safe for their intended use, however, exposure to concentrations of these materials at greater than the intended use level may cause irritation of eyes, throat and lungs, contact dermatitis, and a few may be toxic through oral and dermal routes.

Fatalness sort: Not available

Target Organs: Not available

Potential Health Effects:

- a. **Eye:** May moderately irritate eyes.
- b. **Skin:** Safe under normal use. Long time exposure or repeated contact may irritate skin.
- c. **Inhalation:** Safe under normal use. Long time exposure or repeated contact may irritate respiratory system.
- d. **Ingestion:** May irritate mouth, throat, and stomach.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water at least for 15 minutes, occasionally lifting the upper and lower eyelids.

Skin: Flush skin with plenty of water at least for 15 minutes.

Ingestion: Will not occur under normal use. No specific intervention indicated. If irritation, seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

General Information: Flash point: 140 °C. The material is flammable at high temperature or heat.

Extinguishing Media: Water spray, carbon dioxide, dry chemical powder and foam. Normal fire fighting procedure may be used.

Protection of Fire-fighters: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Keep unnecessary people away. Keep out of water supplies and sewers. Ventilate area of leak or spill. Collect leak materials and place in suitable container for recycling or disposal.

Section 7 - Handling and Storage

Storage: Keep container closed when not in use. It is recommended that containers of product be stored indoors, dry and cool. Keep away from any sources of ignition and over heat. Empty containers should be cleaned thoroughly of product residues prior to reuse.

Handling: Avoid contact eyes.

Section 8 - Exposure Controls, Personal Protection

Exposure Limit: No listed.

Monitoring Methods: No information found.

Engineering Controls: Adequate ventilation.

Respiratory Protection: No information found.

Personal Protective Equipment:

- **Eyes:** Wear safety glasses or goggles when working with this material as a safety practice.
- **Skin:** Wear gloves to prevent contact with the material.
- **Clothing:** Wear protective clothing to minimize skin contact.
- **Respirators:** Not available.

Other Protection: No smoking scene work. To maintain good health habits.

Section 9 - Physical and Chemical Properties

Appearance: Liquid, brown

Odor: Slight odor

PH: N/A

Melting Point (°C) : N/A



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Boiling Point (°C) : N/A
Flash Point (°C) : 140
Ignition Temperature (°C) : N/A
Molecular Weight: N/A
Consistency (Water= 1): N/A
Vapor Density (Air=1): N/A
Saturated Vapor Pressure: N/A
Octanol / Water Distribution Coefficient: N/A
Explosion Limits Lower: N/A
Explosion Limits Upper: N/A
Solubility: N/A

Section 10 - Stability and Reactivity

Chemical Stability: The product is stable.

Conditions to Avoid: Extreme Heat, sparks, and open flame.

Incompatible Materials: Oxidizing materials.

Hazardous Decomposition Products: May liberate carbon monoxide, and carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

CAS No.	LD50
123-32-0	LD50: >1020 mg/kg(oral, rat)
56-81-5	LD50: >5000 mg/kg(oral, rat) LD50: >2000 mg/kg(skin, rabbit)
78-70-6	LD50: 2790 mg/kg(oral, rat) LD50: 5610 mg/kg(skin, rabbit)
116-53-0	LD50: 1739 mg/kg(oral, rat) LD50: 1372 mg/kg(skin, rabbit)
57-55-6	LD50: 20 gm/kg(oral, rat)
14667-55-1	LD50: 3160 mg/kg(oral, rat)

Excitant: Not available

Sensitivity: Not available

Carcinogenicity: This product contains no chemicals that are listed on the NPT, IARC, or OSHA carcinogen lists.

Section 12 - Ecological Information

Ecological Toxicity: Not available

Ecological Degradation: Not available

Abiology Degradation: Not available

Section 13 - Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. State and local disposal regulations may differ from federal disposal regulation. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14 - Transport Information

Not regulated as a hazardous material for transportation.(D.O.T; TDG; IMDG;IATA DGR)

UN: N/A

Classification: N/A

Packaging Sign: N/A

Shipping Name: N/A

Packaging Category: N/A

Packaging Method: N/A

Shipping Notice: N/A

Section 15 - Regulatory Information

Regulatory Information: Reference to the local, national and EU / international regulations.

Hazard Symbols: N/A

Safety Description: N/A

Risk Codes: N/A

Section 16 - Additional Information



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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

ACGIH: (American Conference of Governmental Industrial Hygienists) ;CAS: (Chemical Abstracts Service) ;DOT: (Department of Transportation) ;DSL: (Domestic Substances List) ;EINECS: (European Inventory of Existing Commercial Substances) ;IARC: (International Agency for Research on Cancer) ;IATA: (International Air Transport Association) ;ICAO: (International Agency for Aviation Organization) ;IMDG: (International Maritime Dangerous Goods) ;LC50: Lethal Concentration, 50 percent kill;LD50: Lethal dose, 50 percent kill;NIOSH: (National Institute for Occupational Safety and Health) ; N.O.S: Not Otherwise Specified;NTP: (National Toxicology Program) ; PEL: (Permissible Exposure Level);REL: (Recommended Exposure Limit) ;STEL: (Short Term Exposure Limit) ;TDG: (Transportation of Dangerous Goods) ;TSCA: (Toxic Substances Control Act) ;TWA: (Time Weighted Average)