

MSDS Report

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

Samples E-cigarettes battery case

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 battery case

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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Post Code: 315300

Section 2 - Composition, Information on Ingredients

Chemical Name	Percent (by weight)	CAS No.	EINECS
Stainless steel	47%	12597-69-2	N/A
Brass	46%	7440-50-8(copper) 7440-66-6(zinc)	231-159-6 (copper) 231-175-3 (zinc)
Plastic	5%	N/A	N/A
Paint	2%	N/A	N/A

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Safe under normal use. Will not cause health hazard under normal state.
Operations such as welding, grinding or machining may pose acute
inhalation health effects. Skin or eye contact with dust generated in
machining, may cause irritation.

Target Organs: No data available.

Hazard Sorts: No data available.

Potential Health Effects:

➤ **Eye:** Safe under normal use. Dust may cause eye irritation.



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- **Skin:** Safe under normal use. Dust may cause skin irritation.
- **Ingestion:** Safe under normal use. Dust may cause irritation of the digestive tract.
- **Inhalation:** Safe under normal use. Dust may cause irritation, even "metal fume fever".

Section 4 - First Aid Measures

- Eye:** Contact with fume or dust, flush eyes with plenty of water or saline for at least 15 minutes. Contact medical assistance if irritation persists.
- Skin:** Contact with fume or dust, wash skin with soap and water at least 15 minutes. Contact medical assistance if irritation persists.
- Ingestion:** The metal will not be eaten under normal station. However, if ingested the dust from machining progress, washed out mouth with water. Contact medical assistance if irritation persists.
- Inhalation:** If inhaled the dust from machining progress, removed the victim to fresh air. Clean mouth and keep respiratory tract flowing. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

- General Information:** Non flammable . This product does not present fire or explosion hazards. Small chips, dust and fines from metal processing may be readily ignitable. Fire fighters should wear positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.
- Extinguishing Media:** Use water spray, dry chemical, or carbon dioxide.

Section 6 - Accidental Release Measures

- General Information:** Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks:** Sweep up, then place into a suitable container,

recycle if possible.

Section 7 - Handling and Storage

Storage:	Store in a cool, dry, well-ventilated area away from incompatible substances.
Handling:	Adequate ventilation. Avoid contact with sharp edges or heated metal.

Section 8 - Exposure Controls, Personal Protection

Exposure Limit:

- **Composition: Steel**
 - TLV-TWA 5 mg/m³ (ACGIH, as Iron oxide fume)
 - REL-TWA 5 mg/m³ (NIOSH, as Iron oxide fume)
 - PEL-TWA 10 mg/m³ (OSHA, as Iron oxide fume)
- **Composition: Copper**
 - TLV-TWA 0.2 mg/m³ (ACGIH, Fume)
- **Composition: Zinc**
 - TLV-TWA 5 mg/m³ (ACGIH, as Zinc oxide fume)

Monitoring Methods: No data available

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment:

- **Eye:** No special requirement. Appropriate protective eyeglasses is recommended.
- **Skin:** No special requirement.
- **Clothing:** Wear appropriate working cloth.
- **Respirators:** Use an appropriate mask or respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Cylindrical solid, white.



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Odor:	Odorless
Molecular Formula:	N/A
Molecular Weight:	N/A
Specific Gravity/Density:	N/A
pH:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Evaporation Rate:	N/A
Viscosity:	N/A
Melting Point:	N/A
Boiling Point:	N/A
Freezing/Melting Point:	N/A
Ignition Temperature:	N/A
Flashing Point:	N/A
Decomposition Temperature:	N/A
Solubility:	Insoluble in water

Section 10 - Stability and Reactivity

Chemical Stability:	Stable.
Conditions to Avoid:	Excess heat.
Incompatibilities with Other Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Will not occur.
Hazardous Polymerization:	Will not occur.

Section 11 - Toxicological Information

Toxicological Information:

- **Composition: Steel (as Iron)**
 - **LD50: 20000 mg/kg (Ingestion, guinea pig)**
- **Composition: Copper**
 - **LD50: >1124 mg/kg(oral, rat)**
 - **LD50: >2058 mg/kg(oral, rabbit)**
 - **LC50: 1303 mg/m3 (Inhalation,rabbit)**
- **Composition: Zinc (as ZnO)**
 - **LD50: >5000 mg/kg(oral, rat)**



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Carcinogenicity:	Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Sensitization Rate:	No data available.
Teratogenicity:	No data available.

Section 12 - Ecological Information

Ecological Toxicity:	No data available.
Ecological Degradation:	No data available.
Aquatic Toxicity:	No data available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

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

Issue Time: 2008-11-13

Issue Department: Technical department

Data review unit:

Modification record:

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) ;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)