



安全技术说明书 (Safety Data Sheet)

Issue date最初编制日期: 2025/3/10
Version版本: 01

1. Product & Manufacturer 产品和厂家

Product Name: TO-252
Product Number:
Supplier or Manufacturer: Dongguan Pingjingsemi Technology Co., Ltd
Address: No. 13, Wende Road, Xiaokeng, Liaobu Town, Dongguan City, Guangdong Province
Contact Person: Wu Xiaohong
TEL: 0769-82871832

2. Composition/Information on Ingredients 成分/成分的信息

材料 Material	占总重百分比 Percentage of total weight	化学成分 Chemical composition	CAS NO	占各材料百分比 Percentage of each material
Lead Frame	51.88%	Cu	7440-50-8	99.805%
		Fe	7439-89-6	0.06%
		P	7723-14-0	0.03%
		Pb	7439-92-1	0.005%
		Ag	7440-22-4	0.10%
Wire	1.06%	Cu	7440-50-8	99.99%
		Other	-	0.01%
Solder	0.87%	Pb	7439-92-1	90%
		Sn	7440-31-5	5%
		Ag	7440-22-4	5%
Epoxy Molding	45.87%	Silica(Amorphous) A	60676-86-0	85%
		Silica(Amorphous) B	7631-86-9	5%
		Epoxy Resin A	Trade Secret	5%
		Epoxy Resin B	29690-82-2	2.5%
		Phenol Resin	Trade Secret	1.5%
		Carbon Black	1333-86-4	1%
Plating	0.18%	Sn	7440-31-5	99.9918%
		Pb	7439-92-1	0.0035%
		As	7440-38-2	0.0005%
		Fe	7439-89-6	0.0008%
		Cu	7440-50-8	0.0003%
		Bi	7440-69-9	0.0017%
		Sb	7440-36-0	0.0009%
		Zn	7440-66-6	0.0001%
		Al	7429-90-5	0.0001%
		Cd	7440-43-9	0.0003%
Dice	0.14%	Si	7440-21-3	99.5%
		Other	-	0.5%

3. Hazards Identification 危害辨识

Health effect(s): Can't eat

Environmental effect(s): May cause harm to the water environment

Physical and chemical hazard(s): N/A

Special hazard(s): When used under reverse voltage and other conditions, it can cause the product to crack and the cracked fragments can cause harm to personnel.

4. First-aid Measures 急救措施

Classification by ways of exposition: **No effect**

Inhaled : **N/A**

Skin contact: **No effect**

Ingested : **N/A**

Harmful effect(s) and symptom(s) : **N/A**

Protection to the first-aid personnel : **N/A**

Note to physicians : **N/A**

5. Fire -fighting Measures 消防措施

Suitable fire extinguisher(s) : **Any extinguishant including CO2, dry powder , foam is suitable**

Hazardous material(s) released during fire-fighting : **N/A**

Precaution : **None**

6. Accidental Leak Measures 泄露处理方法

Personal precaution : **N/A**

Environmental precaution : **N/A**

Method(s) for cleaning up : **N/A**

7. Safe Handling and Storage Methods 安全处置与储存方法

Handling : **No special requirement in handling the goods .Do not discard arbitrarily. Away from the fire**

Storing condition : **Temperature: 10-28 °C; Humidity: 20-60%; And keep away from direct sunlight and rain,**

Storage period: 5 years

8. Exposition Preventive Measures 暴露预防措施

Project control : **N/A**

Personal precaution : **N/A**

9. Physical and Chemical Properties 物理及化学性质

State of matter: **Solid** Appearance: **Square**

Colour: **Black** pH value: **N/A**

Solubility in water: **Not soluble** Fire point: **500°C**

Odor: **None** Boiling point/range: **N/A**

Decomposition temperature: **N/A**

10. Stability and Reactivity 稳定性和反应性

Stability : **Stable under normal storage and use**

Possible reaction under special condition : **N/A**

Material(s) to avoid : **N/A**

Conditions to avoid : **Strong acid, strong base**

Hazardous product(s) released upon decomposition : **N/A**

11. Toxicological Information 毒性资料

Acute toxicity : **N/A**

Sensitization : **N/A**

Chronic toxicity or long-term toxicity : **N/A**

Local effect(s): **N/A**

Special effect(s) : **N/A**

12. Ecological Information 生态信息

Ecological toxicity: **harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. forbidden to discharge into sewers, surface water and groundwater.**

13. Disposal 废弃

Way of disposal : Follow the regulations of the local government

14 Transportation 运输

Overseas regulation(s) on transportation : N/A

Local regulation(s) on transportation : N/A

UN code : N/A

Way of transportation and precaution :

This is not hazardous product.

waterproof, sunproof and no excessive

15. Regulations 法规

Applicable regulation(s): RoHS Directive (EU) 2015/863

16. Other Information 其他

Other Information : N/A

Prepared by : Yin Liting

Date : 2025/3/10