



# 安全技术说明书 (Safety Data Sheet)

Issue date最初编制日期: 2023/4/24

Revision date修订日期: 2025/3/10

Version版本: 03

## 1. Product & Manufacturer 产品和厂家

Product Name: DFN3x2-6L

Product Number:

Supplier or Manufacturer: Dongguan Pingjingsemi Technology Co., Ltd

Address: No. 13, Wende Road, Xiaokeng, Liaobu Town, Dongguan City, Guangdong Province

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

| 材料<br>Material   | 占总重百分比<br>Percentage of total<br>weight | 化学成分<br>Chemical composition | CAS NO      | 占各材料百分比<br>Percentage of each<br>material |
|------------------|---|------------------------------|-------------|---|
| Plating          | 2.35%                                   | 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%                                   |
| Epoxy Molding    | 59.91%                                  | Silica(Amorphous) A          | 60676-86-0  | 85%                                       |
|                  |   | Silica(Amorphous) B          | 7631-86-9   | 5%  |
|                  |   | Epoxy resin A                | TradeSecret | 5%  |
|                  |   | Epoxy resin B                | 29690-82-2  | 2.5%                                      |
|                  |   | Phenol Resin                 | TradeSecret | 1.5%                                      |
|                  |   | Carbon black                 | 1333-86-4   | 1%  |
| Bonding Wire     | 6.44%                                   | Cu                           | 7440-50-8   | 99.99%                                    |
|                  |   | Other                        | -           | 0.01%                                     |
| Adhesive         | 0.30%                                   | Silver Powder                | 7440-22-4   | 80%                                       |
|                  |   | Epoxy Resin                  | 9003-36-5   | 10%                                       |
|                  |   | Diluent A                    | TradeSecret | 2%  |
|                  |   | Diluent B                    | 3101-60-8   | 2%  |
|                  |   | Hardener A                   | TradeSecret | 2%  |
|                  |   | Hardener B                   | TradeSecret | 2%  |
|                  |   | Solvent                      | TradeSecret | 1%  |
| Organic Peroxide | TradeSecret                             | 1%                           |             |   |
| Lead Frame       | 27.62%                                  | Cu                           | 7440-50-8   | 97.135%                                   |
|                  |   | Fe                           | 7439-89-6   | 2.50%                                     |
|                  |   | P                            | 7723-14-0   | 0.15%                                     |
|                  |   | Zn                           | 7440-66-6   | 0.2%                                      |
|                  |   | Pb                           | 7439-92-1   | 0.005%                                    |
|                  |   | Ag                           | 7440-22-4   | 0.01%                                     |
| Dice             | 3.38%                                   | Si                           | 7440-21-3   | 99.5%                                     |
|                  |   | Other                        | -           | 0.5%                                      |

### 3.Hazards Identification危害辨识

Health effect(s): [Can't eat](#)

Enviroemental effect(s): [May cause harm to the water environment](#)

Physical and chemical hazard(s):[N/A](#)

Special hazard(s): [When used under reverse voltage any 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](#)

Enviroemental 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

Handing : [No special requirement in handing the goods .Do not discard arbotraroly.Away from the fire](#)

Storing contion : [Temperature: 10-28 ℃ ; 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℃](#)

Odor: [None](#) Boiling point/range: [N/A](#)

Decompositon 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

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Date : 2025/3/10