

MATERIAL SAFETY DATA SHEET

Sample Name:	LED nano solder paste
Sample Model	FGC2821-7
Trade make	N/A
Manufacturer Name:	Shenzhen Jumao Photoelectric Material Co., Ltd.
Manufacturer Address:	2nd Floor, Feiteng Building, Exit A, Gushu Subway, Bao'an Avenue, Shenzhen

Inspected by: Robert Chen

Approved by: Kevin Yang
Technical Manager



Date : Nov.29,2018

MATERIAL SAFETY DATA SHEET

1.PRODUCT AND COMPANY IDENTIFICATION	
Product Identification:	LED nano solder paste
Supplier:	Shenzhen Jumao Photoelectric Material Co., Ltd. 2nd Floor, Feiteng Building, Exit A, Gushu Subway, Bao'an Avenue, Shenzhen

2.COMPOSIYION/INGREDIENTS	
COMPONENT IDENTIFICATION	CAS#
Tin	7440-31-5
Silver	7440-22-4

3.HAZARD IDENTIFICATION
<p>Physical Form: Appearance and traits: solid, volatile, flammable. Insoluble in water, soluble in organic solvents.</p> <p>Potential Health Effects: Inhalation, eye contact, skin contact, ingestion, may cause dizziness, headache, nausea.</p>

4.FIRST AID PROCEDURES
<p>Skin contact: Remove contaminated clothing and wash skin thoroughly with soap and water.</p> <p>Eye contact: Lift eyelids, rinse with running water or saline, and seek medical attention.</p> <p>Inhalation: Remove quickly from the scene to fresh air. Keep the airway open, such as breathing difficulties, give oxygen, such as breathing stop, immediately perform artificial respiration and seek medical attention.</p> <p>Ingestion: Drink plenty of warm water, induce vomiting, and seek medical attention.</p>

5.FIRE AND PROCEDURES
<p>Hazardous characteristics: This product is flammable. Its vapor and air are easy to form explosive mixture. When exposed to open flames and high heat, it will cause combustion and explosion. In case of oxidant, it can react strongly. The flow rate is too fast, and it is easy to generate and accumulate static electricity. Its steam is heavier than air. Spread to a considerable place at a lower place, and an open fire will cause a backfire.</p> <p>Extinguishing method: Spray water to cool the container; if the container has changed color or produces sound from the safety relief device, it must be evacuated immediately.</p> <p>Extinguishing media: foam, dry powder, carbon dioxide, sand, and water are not effective. Note: Firefighters must wear self-contained positive pressure breathing apparatus. Hazardous combustion products: carbon monoxide, carbon dioxide toxic fumes</p>

MATERIAL SAFETY DATA SHEET

6. ACCIDENTAL RELEASE MEASURES

Quickly evacuate personnel from the contaminated area to a safe area, and conduct isolation, strictly restrict access, and cut off the fire source. It is recommended that emergency personnel wear self-contained positive pressure breathing apparatus and wear protective clothing. Cut off the source of leakage as much as possible to prevent access to restricted spaces such as sewers and flood drains. A small amount of leakage can be absorbed by activated carbon or other inert materials. It can also be washed with an emulsion made of non-combustible dispersant. After the dilution of the washing liquid, such as the waste water system, a large amount of leakage, constructing a canal or digging pit, covering with foam, reducing steam disaster. Use an explosion-proof pump to transfer to a tank truck or special collection container, recycle or transport it to a waste disposal site for disposal.

7. HANDLING AND STORAGE

Store in a cool, ventilated warehouse. Keep away from fire and heat. The temperature of the warehouse should not exceed 30°C to prevent direct sunlight and keep the container sealed. It should be stored separately from the oxidant. Lighting, ventilation and other facilities in the warehouse should be explosion-proof and the switch should be placed outside the warehouse. Equipped with the appropriate variety and quantity of fire equipment. The stacking of the barrels should not be overwhelmed. The wall distance, the top distance, the column spacing and the necessary fire inspection walkways should be left. Fireproof and explosion-proof technical measures should be taken during tank storage. It is forbidden to use mechanical equipment and tools that are prone to sparks, and there are grounding devices to prevent static electricity from accumulating. It should be lightly loaded and unloaded during handling to prevent damage to packaging and containers.

8. PERSONAL PROTECTION

Engineering control: The production process is closed, fully ventilated or partially exhausted, keeping the concentration of volatile organic compounds in the working environment below the exposure limit.

Respiratory protection: Wear self-priming filter respirators when the concentration in the air exceeds the standard.

Eye protection: Wear chemical safety glasses.

Body protection: Wear anti-poisoning and infiltrate overalls.

Hand protection: Wear chemical resistant gloves.

Others: Smoking, eating and drinking are prohibited at the work site, and bathing and changing are done after work. Maintain good hygiene practices. Pre-employment and regular medical examinations.

MATERIAL SAFETY DATA SHEET**9. PHYSICAL PROPERTIES**

Physical State/Appearance: Solid
Vapor Pressure: Not Applicable
Vapor Density: (Air=1): Not Applicable
Boiling Point: Not Applicable

10. STABILITY AND REACTIVITY

Stability: stable
Polymerization hazard: no polymerization
Avoid contact conditions: high heat open flame
Incompatible materials: strong oxidants

11. TOXICOLOGICAL INFORMATION

No relevant information

12. ECOLOGICAL INFORMATION

Its environmental pollution behavior is mainly reflected in drinking water and the atmosphere. The residue and accumulation are not serious. It can be biodegraded and chemically degraded in the environment, but the speed of this process is much lower than that of the volatilization process, and it is volatilized into the atmosphere. The pine perfume may also be photolyzed.

13. DISPOSAL CONSIDERATION

Refer to national and local regulations before disposal. Dispose of by controlled incineration.

14. TRANSPORT INFORMATION

IATA UN Number: 1263
IATA Proper Shipping Names: PAINT RELATED MATERIAL
IATA UN CLASS: 3
IATA Label: FLAMMABLE LIQUID

15. OTHER INFORMATION / ADDITIONAL COMMENTS

Reference:/ Dangerous chemical safety management regulations. According to the dangerous chemicals safety use, production, storage, transport, handling and other aspects have made the corresponding stipulation.

MATERIAL SAFETY DATA SHEET**16. Other information**

The above information are correct, but does not contain all of the information and only used as a guide. The information in this document is based on our current knowledge, it apply to this product as for the correct safety tips. The information does not guarantee the properties of this product. Our company is not responsible for any damages caused by the products.