

Material Safety Data Sheet (MSDS)

PB-952 High-Performance Zinc Plating Sealer

1. Product and Company Identification

Product Name: PB-952 High-Performance Zinc Plating Sealer

Company Name: Dongguan Shuomei Electronic Materials Technology Co., Ltd. Emergency

Contact Number: 0769-81030059

2. Composition / Information on Ingredients

Form: Mixture

Ingredient	Content
Polyethylene Emulsion	50%
Nano Silicon Dioxide	15%
Surfactant	5%
Water	30%

Chemical Formula / Structural Formula: Not subject to classification standards

Regulatory Filing Number: Not subject to classification standards

3. Hazard Identification

- (1) Not subject to hazard classification standards
- (2) Physical hazard: Non-flammable and non-explosive; no special risks under normal use conditions
- (3) Environmental hazard: Harmful to the environment; special attention shall be paid to preventing water pollution
- (4) Health hazard: Slight inflammation may occur if eye or skin contact is not treated promptly. Heavy inhalation causes soreness in the nose, throat and bronchi.

4. First-Aid Measures

Eye Contact

Immediately flush eyes continuously with running clean water for 15 minutes. Keep eyes open and pull apart upper and lower eyelids to ensure water thoroughly rinses all surfaces of eyeballs and conjunctiva. If discomfort arises due to delayed or insufficient flushing, seek immediate medical treatment from an ophthalmologist.

Skin Contact

Quickly wipe off residual liquid with paper towels or cloth, then rinse thoroughly with abundant running water or skin cleanser. Immediately remove contaminated clothes and footwear and rinse them with plenty of running water. In case of heavy contamination, flush skin with a large volume of water before taking off garments. Seek medical care in a timely manner if skin irritation occurs from inadequate or delayed cleaning.

Ingestion

Rinse mouth with clean water at once. If possible, let the injured person drink milk mixed with egg white, which forms a protective film on the mucous membranes of the throat, esophagus and stomach to relieve chemical burns and permeation. Gastric lavage shall be performed in hospital when necessary.

Massive Inhalation

Remove the patient to an area with fresh air for rest, then transfer to hospital for further treatment.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam extinguishers, dry powder extinguishers, carbon dioxide extinguishers, sand and earth Unsuitable Extinguishing Media: None Fire Response Instructions: Immediately cut off all ignition sources when fire breaks out nearby. Transfer containers to a safe area if feasible. Maintain a safe distance during fire suppression; firefighters must wear protective clothing and gas masks.

6. Accidental Release Measures

Emergency Handling: Block off the spill site immediately and bar entry of irrelevant personnel. Identify the root cause of leakage as soon as possible to stop further outflow; wear full protective equipment before disposal.

- Minor spillage: Wipe clean with cloth or absorb with soil, then rinse residues with water.
- Major spillage: Build dikes with sandbags to prevent liquid spread; pump leaked liquid into corrosion-resistant containers for recovery. Flush unrecoverable residues with water. Dilute residual solution and flushing wastewater sufficiently first, then neutralize with alkaline substances such as slaked lime or sodium hydroxide to the specified pH range. Discharge is permitted only after meeting emission standards; direct discharge without treatment is prohibited to avoid environmental pollution.

7. Handling and Storage

Handling Precautions

Prevent splashing onto eyes and skin. Thoroughly wash hands, face and exposed body parts after use. Sufficient clean water shall be available at the workplace for emergency rinsing; ensure good ventilation in operating areas.

Storage Precautions

Store containers in cool, dark and well-ventilated areas away from direct sunlight; do not store under high-temperature conditions. Keep separate from strong acids, strong alkalis, oxidants and reducing agents; do not store them in the same space. Avoid overstacking; a maximum of two layers is recommended to prevent package rupture or damage. Keep containers tightly sealed and avoid long-term storage. Prepare sufficient clean water at storage sites for emergency use.

8. Exposure Controls / Personal Protection

Ventilation Facilities: Ensure full air exchange and good ventilation at workstations

Auxiliary Sanitary Facilities: Install wash stations and cleaning equipment near operation areas for convenient cleaning of hands and face after work.

Personal Protective Equipment

Eye & Face Protection: No special protection required for routine operation; safety goggles and face shields may be worn if necessary Skin Protection: Wear appropriate rubber gloves and rubber boots Respiratory Protection: Wear gas masks Other Site Regulations: Smoking and eating are prohibited at the workplace. Shower and change into clean clothes after work shifts.

9. Physical and Chemical Properties

Appearance: White to pale blue emulsion Odor: No obvious pungent odor Boiling Point: 100 °C Flash Point: >100 °C Density (23°C): 0.98 - 1.0 g/cm³ Viscosity (23°C): 25 - 170 seconds pH Value (Undiluted): 8.5 - 9.5 Solubility: Freely soluble in water

10. Stability and Reactivity

Flammability Characteristics: Stable under normal service conditions (non-flammable aqueous solution) Flash Point: Non-flammable, no flash point Ignition Point: Non-combustible Explosion Risk: Non-explosive substance Chemical Stability: Chemically stable under normal usage conditions Hazardous Decomposition Products: None Incompatible Reaction Hazards: None

11. Toxicological Information

Irritation: Slightly irritating Corrosivity: Non-corrosive

12. Ecological Information

No available data

13. Disposal Considerations

Disposal Methods

Treat wastewater in accordance with hazardous waste treatment standards and discharge only after reaching compliance standards. Dilute stock solution or concentrated waste liquid and neutralize with alkali, or entrust disposal to professional waste treatment organizations.

Disposal Notes

All waste must be disposed of properly; random dumping is forbidden to prevent environmental contamination.

14. Transport Information

Domestic Hazard Classification: Non-hazardous liquid UN Number: 3098 Packing Group:
III Packing Label: Non-hazardous liquid label

15. Regulatory Information

Applicable National Regulation: Catalogue of Hazardous Chemicals (2002 Version),
issued by State Administration of Work Safety

16. Other Information

All information stated in this MSDS is provided by Dongguan Shuomei Electronic
Materials Technology Co., Ltd. Users shall refer to the above data in light of actual
application conditions.