



LANDER TESTING

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## Material Safety Data Sheet

### 1 Identification of the substance/preparation and of the company/undertaking

*.Product details*

*.Trade name: EPOXY RESIN*

*.Application of the substance: the Ball pen inks*

*.Manufacturer/Supplier: Changshu City Hedian Culture&Stationery and Manufacturing Co.,Ltd*

*Hedian Countryside, Mocheng Town, Changshu City, JiangSu Province.*

*Tel: 0512-8158 8231*

*Fax: 0512-8158 8232*

*.Further information obtainable from: Changshu City Hedian Culture&Stationery and Manufacturing Co.,Ltd*

*.Information in case of emergency:*

*Changshu City Hedian Culture&Stationery and Manufacturing Co.,Ltd*

*Mr. Wei Xiangfu*

*Tel: 0512-8158 8231*

### 2 Composition/information on ingredients

*.Chemical characterization*

*.Components Number:*

**EPOXY RESIN**

**CAS: 61788-97-4**

### 3 Hazards identification

*.Information concerning particular hazards for human and environment: The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*

*.Inhalation: Moderate irritation to the nose and respiratory tract. May cause Central Nervous System depression, evidenced by headache, dizziness, and nausea.*

*.Skin Contact: Moderate irritation. May cause skin sensitization, evidenced by rashes and hives.*

*.Eye contact: May cause eye irritation, swelling, tearing, redness or cornea damage.*

*.Ingestion: May cause irritation to the gastrointestinal tract. May cause Central Nervous System depression or other systemic effects.*

*.Environmental Hazards: Very toxic to fish and aquatic fauna. Do not contaminate waters.*

*.Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*



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#### 4 First aid measures

**.After inhalation:** Remove patient to fresh air. If patient continues to experience difficulty breathing, **CONSULT A PHYSICIAN.**

**.After skin contact:** Remove product and immediately wash affected area with soap and water. Do not apply greases or ointments. Remove contaminated clothing. Wash clothing with soap and water before reuse. If redness, burning, or swelling persist, **CONSULT A PHYSICIAN.**

**.After eye contact:** Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persist, **CONSULT A PHYSICIAN.**

**.After Ingestion:** **DO NOT INDUCE VOMITING.** Never administer anything by mouth to an unconscious person. Rinse out mouth with water, then drink sips of water to remove taste from mouth. **CONSULT A PHYSICIAN** if vomiting occurs spontaneously, keep head below hips to prevent aspiration.

#### 5 Fire-fighting measures

**.Suitable extinguishing agents:**

Water fog, carbon dioxide or dry chemical, aqueous foam.

**.Fire And Explosion Hazard:**

Hazardous decomposition products may occur when materials polymerize at high temperatures. Do not allow run-off from fire fighting to enter drains or water courses.

May explode when meeting spark above certain concentration.

**.Protective equipment:** Wear full protective clothing and self-contained breathing apparatus for fire fighting. Isolate fuel supply from fire. Clear fire area of all non-emergency personnel. Use water spray to cool fire-exposed surfaces and containers.

#### 6 Accidental release measures

**.Person-related safety precautions:** Use self-contained breathing apparatus and chemical protective clothing. Evacuate personnel to safe areas.

**.Measures for environmental protection:** Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

**.Measures for cleaning/collection:**

**Small spills:** Soak up with absorbent material such as clay, sand or other suitable nonreactive material. Place in leak-proof containers. Seal tightly for proper disposal.

**Large spills:** Approach suspected leak areas with caution. Create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal.

**.Additional Information:**

Notify authority if any exposures to the general public or environment occurs or is likely to occur. Dispose of in accordance with federal, state, and local regulations.



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## 7 Handling and storage

### .Handling:

To prevent skin and eye contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Avoid breathing fumes. Handle in a wellventilated work area.

### .Storage:

Keep away from: acids, oxidizers, heat, or flames. Keep in cool, dry, well-ventilated area in closed containers. Protect containers from physical damage.

## 8 Exposure controls/personal protection

. Protective Measure: Wear appropriate personal protective equipment.

. Hand Protection: Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.

. Skin and Body Protection: Wear chemical-resistant gloves and other clothing as required to minimizing contact.

.Eye protection: Avoid contact with eyes. Wear chemical-resistant safety glasses.

.Respirator Protection: Not required for properly ventilated areas.

## 9 Physical and chemical properties

### .General Information

|        |                      |
|--------|----------------------|
| Form:  | Solid                |
| Color: | Colorless or Yellowy |
| Odor:  | Nonexistence         |

### .Change in condition

|                              |               |
|------------------------------|---------------|
| Melting point/Melting range: | 145-155°C.    |
| Boiling point/Boiling range: | Undetermined. |

.Flash point: Not applicable

.Self-igniting: 490°C.

.Danger of explosion: Explosion may occur when meeting spark above certain concentration

.Density: Not determined

.Relative density: Not available

.Vapor density: Not available

.Evaporation rate: Not available

.Solubility in/Miscibility with Water or others: Dissolved in Acetone, Glycol, Toluene

.PH-Value: Not available

.Viscosity:

Dynamic: Not available



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### 10 Stability and reactivity

- . Stability: Stable under normal storage conditions.*
- . Thermal decomposition/conditions to be avoided: Incompatible chemicals, heat and open flame.*
- . Materials To Avoid: Oxidizing agents, acids, organic bases, and amines.*
- . Dangerous decomposition products: Hazardous decomposition products may occur at high temperatures.*

### 11 Toxicological information

- . Please refers to section 3 for hazards identification.*
- . Acute Oral (LD50, Rat): 11.4g /kg*
- . Acute Dermal (LD50, Rabbit): Not available*
- . Acute Inhalation (LC50, Rat): Not available*

### 12 Ecological information

- . Ecotoxicical effects:*
- . Remark: Not available*

#### *. General notes:*

*Do not allow product to reach ground water, water course or sewage system.*  
*Danger to drinking water if even small quantities leak into the ground.*  
*Also poisonous for fish and plankton in water bodies.*  
*Toxic for aquatic organisms*

### 13 Disposal considerations

#### *. Product:*

*Recommendation: Must not be dispose together with household garbage. Do not allow product to reach sewage system.*

#### *. Uncleaned packaging:*

*Recommendation : Dispose of container must be made according to local regulations.*

### 14 Transport information

- . Class: Not regulated*



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### 15 Regulatory information

**.Labeling according to EU guideline:**

*The product has been classified and marked in accordance with EU Directives /Ordinance on Hazardous Materials.*

**.Hazard symbol: Not applicable**

**.Contains:--**

**.Risk phrases: This product is not classified as hazardous (EU Directive 88/379/EEC).**

**.Safety phrases:**

**S24/25 Avoid contact with skin and eyes.**

**S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**

**S28 After contact with skin, wash immediately with plenty of water.**

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**.Emergency Telephone Number: 0512-8158 8231**

**.Department issuing MSDS: Changshu City Hedian Culture&Stationery and Manufacturing Co.,Ltd**

**.Contact: Mr .Wei Xiangfu**

\*\*\*\*\*The End\*\*\*\*\*