

MATERIAL SAFETY DATA SHEET (MSDS)

1.a) **PRODUCT** A-198(E-51)

1.b) **SUPPLIER**

Company: Chuzhou Hui-Sheng Electronic Materials Co., Ltd.

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2. **COMPOSITION AND INFORMATION ON INGREDIENTS**

Name	Conc. %	CAS #
BPA type epoxy resin	50~100	25068-38-6

3. **HAZARDS IDENTIFICATION**

Acute health effects: none

Potential chronic health effects: no relevant information found

Main symptom: obtain substance mightly causing variation. May cause sensitization by skin contact.

4. **FIRST AID MEASURES**

Inhalation: remove the victim from the contamination immediately to fresh air.

Skin contact: wash the affect area under warm running water with a mild soap for 20 mins.

Hazardous skin contact: medical treatment as soon as possible.

Eye contact: rinse the affected eyes with clean water for at least 15 minutes, and then seek medical treatment.

Ingestion: seek medical treatment

5. **FIRE AND EXPLOSION DATA**

Fire Fighting Media and instructions: dry chemical powder, carbon dioxide or dry sand

Fire hazards in presence of various substances: water may large the fire scope

Explosion hazards in presence of various substances: none

6. **ACCIDENTAL RELEASE MEASURES**

Dress personal protecting equipment.

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container with covers for disposal. Don't put this product into the river to avoid pollution.

7. **HANDLING AND STORAGE**

Handling: Wear proper protective equipment. Avoid contact with skin or eyes. Avoid steam and liuid to give out.

Storage: Keep container tightly closed. Keep away from sunlight ,heat flame or ignition source and store in a cool location

Follow all MSDS label precautions even after container is emptied because they may retain product residues

8. **EXPOSURE CONTROLS - PERSONAL PROTECTION**

Engineering Controls: Handle this material in a totally enclosed system, or

use with local exhaust ventilation

Personal Protection: Safety spectacles, rubber gloves, rubber apron, gas mask

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	clean liquid
Colour	pure or light yellow
Odour	characteristic odor
Boiling point	not available
Flash point	>200°C
Thermal decomposition	>200°C
Self-ignite	not available
Density	1.15~1.20g/ml
Solubility in water	insoluble

10. STABILITY AND REACTIVITY DATA

Chemical stability : This product is considered a stable material under normal and anticipated storage and handling conditions.

Incompatibility with various substances: Avoid reacting with oxidant, sulfur dioxide, reducing agent and so on.

11. TOXICOLOGICAL INFORMATION

Special remarks on chronic effects on humans: No relevant information found.

Special remarks on acute effects on humans: LD>30000mg/kg.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No relevant information found.

BOD5 and COD: No relevant information found.

Products of biodegradation: No relevant information found.

Toxicity of the Products: No relevant information found.

13. DISPOSAL CONSIDERATION

Do not dump into sewers, on the ground or into any body of water.

Consult an expert on the disposal. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations.

14. TRANSPORT INFORMATION

Follow all regulations in your country. Not belong to dangerous goods.

Transport and store according to general caution and instructions in before mentioned comment.

15. REGULATORY INFORMATION

Regulatory information with regard to this substance in your country or in your region should be examined by your own responsibility.

16. OTHER INFORMATION

To the best of our knowledge, the information contained here in is accurate.

However, all materials may present unknown hazards and should be used in caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist. Final determination of suitability of any material is the sole responsibility of the user.