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CNAS IB0071



NO.2622010435

# SAFETY DATASHEET

**Product Name:** Bisphenol A type Solid Epoxy Resin

**Effective Date:** 2022-07-25

**Compiler:** Zhoujuefei

**Checker:** Liu Lintin

**Approver:** Zhangxiaojin



Shanghai Institute of Chemical Industry Testing Co., Ltd.



Nantong Xingchen Synthetic Material Co., Ltd.

# SAFETY DATA SHEET

## Bisphenol A type Solid Epoxy Resin

### SECTION1 PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Bisphenol A type Solid Epoxy Resin  
**Company:** Nantong Xingchen Synthetic Material Co., Ltd.  
**Address:** No.118 Jianggang Road, Economic and Technological Development County (District), Nantong City, Jiangsu Province, 226017, P.R.China  
**Email:** ntxcx@bluestar.chemchina.com  
**Fax:** 86-513-85517254  
**Emergency Phone:** 86-513-85997814  
**Recommend use of the chemical and restrictions on use:** E&E, coating, composite materials and adhesives, etc.No eating  
**SDS Number:** 2622010435  
**Effective Date:** 2022-07-25

### SECTION2 HAZARDS IDENTIFICATION

**GHS Classification:**

**Physical Hazards:**  
Not classified

**Health Hazards:**  
Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2  
Skin sensitization Category 1

**Environmental Hazards:**  
Hazardous to the aquatic environment—Acute hazard Category 2

The hazards not mentioned are not applicable or no data available.

**Label Elements:**

**Pictogram:**

**Signal Word:**

Danger

**Hazard Statements:**

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 H401 Toxic to aquatic life.

**Prevention Precautionary Statements:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P264+P265 Wash hands thoroughly after handling. Do not touch eyes.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/eye protection/face protection.

**Response Precautionary Statements:**

P302+P352 IF ON SKIN: Wash with plenty of water.  
 P333+P317 If skin irritation or rash occurs: Get medical help.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P317 If eye irritation persists: Get medical help.

**Storage Precautionary Statements:**

None.

**Disposal Precautionary Statements:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

**Other Hazards:**

No data available.

**SECTION3 INFORMATION ON INGREDIENTS****Product name:** Bisphenol A type Solid Epoxy Resin

Ingredient	Concentration	CAS No.	EC No.
Substances:			
Bisphenol A type solid epoxy resin	100%	25068-38-6	500-033-5

**SECTION4 FIRST-AID MEASURES****Skin Exposure:**

In case of skin contact, flush with copious amounts of water. If irritation persists, Call a physician.

**Eye Exposure:**

In case of contacting with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, Call a physician.

**Inhalation Exposure:**

If inhaled, remove to fresh air immediately. If the person feels unwell, Call a physician.

**Oral Exposure:**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Most Important Symptoms/Effects, Acute and Delayed:**

No data available.

**Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary:**

No data available.

**SECTION5 FIRE FIGHTING MEASURES****Suitable Extinguishing Media:**

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.

**Specific Hazards Arising from the Chemical:**

Take care as it may decompose upon combustion or in high temperatures to generate hazardous Carbon oxides, chlorine compounds, etc.

**Special Protective Action for Fire-fighters:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place.

**SECTION6 ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures:**

Use personal protective equipment. Remove all sources of ignition. Avoid breathing dust. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off.

**Environmental Precautions:**

Prevent further leakage or spillage if safe to do so. Avoid entering drains.

**Methods and Materials for Containment and Cleaning up:**

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

**SECTION7 HANDLING AND STORAGE****Precautions for Safe Handling:**

Operators should be trained and strictly abide by operating procedures. Wear appropriate protective clothing and gloves. Avoid inhalation. Avoid contacting with eyes, skin and clothing. Prevent generation of dust. Keep away from ignition sources, heat and flame. No smoking at working site. Handling is performed in a well ventilated place. Wash hands and face thoroughly after handling. Load and unload gently when handling. Prevent the package from breaking and getting damp so as to cause losses. Working place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

**Conditions for Safe Storage, Including Any Incompatibilities:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

**SECTION8 EXPOSURE CONTROL/PPE****Control Parameters:**

GBZ 2.1-2019 Occupational Exposure Limits for Hazardous Agents in the Workplace - Part 1: Chemical Hazardous Agents:  
 Not set up.  
 ACGIH:  
 Not set up.

**Appropriate Engineering Controls:**

Mechanical exhaust required. Safety shower and eye bath.

**Individual Protection Measures:****Eye/Face Protection:**

Wear chemical safety glasses.

**Skin Protection:**

Hand Protection: Wear compatible protective gloves.  
 Body Protection: Wear appropriate protective clothing.

**Respiratory Protection:**

Wear government approved respirator.

**Thermal Hazards:**

No data available.

**Other Protect:**

No smoking, drinking and eating at working site. Wash thoroughly after handling.

**SECTION9 PHYSICAL/CHEMICAL PROPERTIES**

<b>Appearance:</b>	White slice flaky solid
<b>Odor:</b>	Weak odor
<b>pH Value:</b>	Not applicable
<b>Solubility:</b>	Hardly soluble in water
<b>Melting Point/Freezing Point:</b>	No data available
<b>Boiling Point, Initial Boiling Point and Boiling Range:</b>	Not applicable
<b>Flash Point (Closed Cup) :</b>	Not applicable
<b>Density/Relative Density:</b>	No data available
<b>Kinematic Viscosity:</b>	Not applicable
<b>Lower/Upper Explosion Limit/Flammability Limit:</b>	No data available
<b>Vapour Pressure:</b>	No data available
<b>Relative Vapor Density:</b>	No data available

Partition            No data available  
 Coefficient  
 N-Octanol/Water(  
 Log Value):  
 Autoignition        No data available  
 Temperature:  
 Decomposition      No data available  
 Temperature:  
 Particle             No data available  
 Characteristics:

Flammability        The substance is not classified in Division 4.1 Flammable Solids.  
 (Solid, Gas) :  
 Molecular weight: 900-1000

### SECTION10 STABILITY AND REACTIVITY

**Reactivity:**

No data available.

**Chemical Stability:**

Stable under normal temperatures and pressures.

**Possibility of Hazardous Reactions:**

No data available.

**Conditions to Avoid:**

No data available.

**Incompatible Materials:**

No data available.

**Hazardous Decomposition Products:**

Carbon oxides, chlorine compounds, etc.

### SECTION11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

Rat - Oral - LD<sub>50</sub> - 13600 mg/kg

**Skin Corrosion/Irritation:**

Causes skin irritation.

**Serious Eye Damage/Irritation:**

Causes serious eye irritation.

**Respiratory Sensitization:**

No data available.

**Skin Sensitization:**

May cause an allergic skin reaction.

**Germ Cell Mutagenicity:**

No data available.

**Carcinogenicity:**

No data available.

**Reproductive Toxicity:**

No data available.

**Specific Target Organ Toxicity - Single Exposure:**

No data available.

**Specific Target Organ Toxicity - Repeated Exposure:**

No data available.

**Aspiration Hazard:**  
No data available.

## SECTION12 ECOLOGICAL INFORMATION

**Toxicity:**  
Toxicity to daphnia and other aquatic invertebrates - EC<sub>50</sub> - Daphnia magna - 1.1-2.8 mg/l - 48 h (ECHA) ;  
EC<sub>50</sub> - Daphnia magna - 1.7 mg/l - 48 h (CERI-NITE Risk Assessment Report (Tentative version) , 2006)

**Persistence and Degradability:**  
Biodegradability - 82% - 28 days - Not readily biodegradable (ECHA)

**Bioaccumulative Potential:**  
No data available.

**Mobility in Soil:**  
No data available.

**Other Adverse Effects:**  
No data available.

## SECTION13 DISPOSAL CONSIDERATION

**Disposal Methods:**  
Recycle as far as possible. If unable to recycle, it is recommended to use incineration method for disposal under supervision. This product should not be disposed of by discharge into sewers. Return empty containers to the manufacturer or dispose of them in accordance with national and local regulations. Follow the relevant provisions of national and local regulations before disposal. It is recommended to be disposed of by a qualified chemical waste treatment department.

## SECTION14 TRANSPORT INFORMATION

**RID/ADR (2021 Edition) :** The substance is not subject to RID/ADR.  
**IATA DGR (63<sup>rd</sup> Edition) :** The substance is not subject to IATA DGR.  
**IMO IMDG CODE (2020 Edition) :** The substance is not subject to IMO IMDG CODE.

**Environmental Hazards:** Unknown.

**Special Precautions for User:** No data available.

**Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

## SECTION15 REGULATORY INFORMATION

**Montreal Protocol:**  
Not listed.

**Stockholm Convention:**

Not listed.

**Rotterdam Convention:**

Not listed.

**EINECS/ELINCS:**

Listed.

**TSCA:**

Listed.

**IECSC:**

Listed.

**SECTION16 OTHER INFORMATION****Preparation Date:**

2022-07-25

**Preparation Department:**

Shanghai Research Institute of Chemical Industry Testing Co., Ltd.

Tel (Fax): +86-21-52815377/31765555

**Revision:**

0

**Reference Standard:**GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 9<sup>th</sup> revised edition**Abbreviations and Acronyms:**

CAS: Chemical Abstracts Service EC: European Commission ACGIH: American Conference of Governmental Industrial Hygienists LD<sub>50</sub>: Lethal dose, 50% EC<sub>50</sub>: Effective concentration of substance that causes 50% of the maximum response ECHA: European Chemicals Agency CERI : Chemicals Evaluation and Research Institute NITE: National Institute of Technology and Evaluation RID: Regulations concerning the International Carriage of Dangerous Goods by Rail ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IATA DGR: International Air Transport Association Dangerous Goods Regulations IMO IMDG CODE: International Maritime Organization International Maritime Dangerous Goods Code MARPOL.: International Convention for the Prevention of Pollution from Ships IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances TSCA: Toxic Substances Control Act IECSC: Inventory of Existing Chemical Substances in China

**Other Information:**

This SDS is compiled based on the information such as ingredients provided by the applicant and our current knowledge. This SDS shall be used only as a guide. The users of this SDS must make independent judgments on the correctness and completeness and then decide its suitability according to the actual situation. The users should take the relevant legal responsibilities for the consequences of use.

