

# BLUESTAR

## MATERIALS SAFETY DATA SHEET

DATE OF REVISE: Jan.1. 2017


### 1、 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

- **Product details:**
- **Product names:** EPOXY RESIN
- **Trade name:** FENG HUANG® or WXDIC®
- **Brand:**
- 0161 (or E-54), 0161L (or 840L), 0161E (or 840S), 0161L (or 840L), 0161W, 0161G, 0164, 0164C (or WSR618), 0164E (or 850S), 0164EA (or 850A), 0164D (or 850D), 0164G, 0164LT, 0174 (or WSR6101, 860L), 0174E (or 0144), 0176 (or E-39D), 0177 (or WSR634), 0177E (or 860), 0179 (or WSR638)
- **Manufacturer/Supplier:**  

*Nantong Xingchen Synthetic Material Co., Ltd.*  
*No.118<sup>th</sup> of JiangGang Rd.*  
*Nantong, Jiangsu,*  
*China*
- **Further information obtainable from:** SHE Department
- **Tel:** +86-513-85997815
- **Fax:** +86-513-85517254
- **Information in case of emergency:** +86-513-85997814
- **Sheet code:** XC3/JJ-024-B1

### 2、 HAZARDS IDENTIFICATION

Label elements of the substance according to GHS(the sixth revised edition):

Pictogram	
Signal	Warning
Hazard statement(s)	H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H411 Toxic to aquatic life with long lasting effects
Precautionary statements	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling.

- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.
- P391 Collect spillage.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P391 Collect spillage.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3、 COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical characterization:**
- **Description:**  
*Liquid reaction product of epichlorohydrin and bisphenol A*

- **Components :**

Components	Content	CAS No.
Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	100%	25068-38-6

Above list, content is a representative values.

### 4、 FIRST AID MEASURES

- **After inhalation:**  
*Supply fresh air and to be sure call for a doctor*  
*In case of unconsciousness please patient stably in side position for transportation .*
- **After skin contact:** *Immediately wash with water and soap and rinse thoroughly..*
- **After eye contact:**  
*Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*
- **After swallowing:** *If symptoms persist consult doctor.*

### 5、 FIRE FIGHTING MEASURES

- **Suitable extinguishing agents:**  
*Use fire extinguishing methods suitable to surrounding conditions..*
- **Protective equipment:** *No special measures required.*

### 6、 ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:** *Not required.*
- **Measures for environmental protection:**

*Do not allow to enter sewers/ surface or ground water.*

*Inform respective authorities in case of seepage into water course or sewage system.*

- **Measures for cleaning/collecting:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

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## **7、 HANDLING AND STORAGE**

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- **Handling:**

- **Information for safe handling:**

*Prevent formation of aerosols.*

*Avoid contact with skin and eyes. Practice care and caution to avoid contact and inhalation of vapours or mists if generated.*

- **Information about fire - and explosion protection:** *No special measures required.*

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** *No special requirements.*

- **Information about storage in one common storage facility:** *Not required.*

- **Further information about storage conditions:** *Keep container tightly sealed.*

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## **8、 EXPOSURE CONTROLS/PERSONER PROTECTION**

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- **Additional information about design of technical facilities:** *No further data; see item 7.*

- **Ingredients with limit values that require monitoring at the workplace:** *Not required.*

- **Additional information:** *The lists valid during the making were used as basis.*

- **Personal protective equipment:**

- **General protective and hygienic measures:**

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing*

*Wash hands before breaks and at the end of work.*

*Avoid contact with the eyes and skin.*

- **Respiratory protection:** *Not required.*

- **Protection of hands:**

*Protective gloves*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

- **Material of gloves:**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*

- **Penetration time of glove material:**

*The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.*

- **Eye protection:**

*Tightly sealed goggles*



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## 9、 PHYSICAL AND CHEMICAL PROPERTIES

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- **General Information:**

**Form:** Fluid  
**Colour:** Light yellow.  
**Odour:** Characteristi

- **Change in condition:**

**Melting point/Melting range:** Undetermined  
**Boiling point/Boiling range:** Undetermined.

- **Flash point:** >60 °C (closed cup) .
- **EPI content:** no more than 5ppm (Method: GC-Headspace)
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 25°C:** 1.10~1.20 g/cm<sup>3</sup>
- **Solvent solubility:**  
 Insoluble in water, soluble in acetone, toluene
- **Viscosity:**  
**Dynamic at 25 °C** 7000~18000mPas
- **Solvent content:**  
**Organic solvents:** 0.0 %

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## 10、 STABILITY AND REACTIVITY

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- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

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## 11、 TOXICOLOGICAL INFORMATION

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- **Acute toxicity:**  
**LD/LC50 values relevant for classification:** 11400 mg/kg(rat)
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritant effect.
- **Sensitization:** Sensitization possible through skin contact.

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## 12、 ECOLOGICAL INFORMATION

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- **General notes:**  
**Water hazard class 1 (German Regulation) (Self-assessment):** slightly hazardous for water  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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## 13、 DISPOSAL CONSIDERATIONS

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- **Product:**
- **Recommendation:**  
 Must not be disposed together with household garbage.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14. TRANSPORT INFORMATIONS**

- **Land transport ADR/RID (cross-border)**
  - **ADR/RID class:-**
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- **Maritime transport IMDG:**
  - **UN number: 3082**
  - **IMDG Class:9**
  - **UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.**
  - **Packing group: III**
  - **Marine pollutant: Yes**

**15. REGULATORY INFORMATION**

- **Labelling according to EU guidelines:**  
*The substance has been classified and marked in accordance with EU Directives /Ordinance on Hazardous Materials.*
- **Risk phrases:**  
*Irritating to eyes and skin.*  
*May cause sensitization by skin contact.*
- **Safety phrases:**  
*Keep out of the reach of children.*  
*Avoid contact with skin and eyes.*  
*In case of contact with eyes , rinse immediately with plenty of water and seek medical advice.*  
*Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.*
- **National regulations:**
- **Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for 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.*

- **Department issuing MSDS:**  
*SHE Department*  
*Phone: +86-0513-85997815*  
*FAX: +86-0513-85517254*