



EAST CHEMSOURCES LIMITED

NO.666 HAIBIN 12TH ROAD, HUANGDAO, QINGDAO, CHINA

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export@eastchem-cn.com

Chemical Safety Data Sheet

SECTION 1 IDENTIFICATION

Product Name: Bisphenol A type Liquid Epoxy Resin

Other Name:/

Recommended use of the chemical and restrictions on use: /For electronic and electrical appliances, coatings, composite materials, adhesive applications, etc. / Forbidden to eat

Supplier's name: EAST CHEMSOURCES LIMITED

No.666 Haibin 12th Road, Huangdao, Qingdao, China

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Email: export@eastchem-cn.com

Sole Representative/EU Contact Person: None

Emergency Contact Telephone Numbers

Xue Jie Telephone: 13156265101

SECTION 2 HAZARDS IDENTIFICATION

GHS Label elements, including precautionary statements



Signal word: Danger

Hazard statement(s): May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage.

Precautionary statement(s):

Prevention: Keep only in original packaging. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get emergency medical help immediately. IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. Wash contaminated clothing before reuse. Get emergency medical help immediately. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get emergency medical help immediately. Specific treatment (see next). Absorb spillage to prevent material damage.

HMIS Classification

Health hazard: 2

Flammability: 0



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Physical hazards: 0

Storage: Store in a corrosion resistant/container with a resistant inner liner. Store locked up.

Disposal: Dispose of contents/container to relevant regulations.

Other hazards which do not result in classification: /

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Component Substance	Content	CAS No.	EC No.
Bisphenol A Liquid Epoxy Resin	Bisphenol A Liquid Epoxy Resin	100%	25068-38-6	500-033-5

SECTION 4 FIRST AID MEASURES

Description of necessary first aid measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear.

If swallowed: For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed. If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully.

Most important symptoms and effects, both acute and delayed:

Indication of immediate medical attention and special treatment needed: /

SECTION 5 FIREFIGHTING MEASURES

Suitable extinguishing media: Water spray or fog. Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide.

Special hazards arising from the chemical: Non-combustible. Not considered a significant fire risk, however containers may burn.

Special protective actions for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Clean up all spills immediately. Avoid breathing vapors and contact with skin and eyes. Control personal contact with the substance, by using protective equipment.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up: Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Neutralize/decontaminate residue (see Section 13 for specific agent). Collect solid residues and seal in labelled drums for disposal. Wash area and



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prevent runoff into drains. After clean-up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area

Conditions for safe storage, including any incompatibilities: Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. DO NOT store near acids, or oxidizing agents. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storing and handling recommendations.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: /

Appropriate engineering controls: Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Supplied-air type respirator may be required in special circumstances. Correct fit is essential to ensure adequate protection.

Personal protective equipment

Eye/face protection: Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

Skin protection: Wear chemical protective gloves, eg. PVC. Wear safety footwear or safety gumboots, eg. Rubber. Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Item	Description
Appearance and Properties	Colorless transparent viscous liquid
Odor	Slightly odorous
pH Value	Not applicable
Solubility	Immiscible with water
Melting Point/Freezing Point	No data
Boiling Point, Initial Boiling Point and Boiling Range	No data
Flash Point (Closed Cup)	>96.0°C



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Item	Description
Density/Relative Density	No data
Kinematic Viscosity	No data
Flammability Limits (Upper and Lower) or Explosion Limits	No data
Vapor Pressure	No data
Relative Vapor Density	No data
n-Octanol/Water Partition Coefficient (Log Value)	No data
Autoignition Temperature	No data
Decomposition Temperature	No data
Particle Characteristics	Not applicable
Flammability (Solid, Gas)	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Reactivity: /

Chemical stability: Not available.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Incompatible materials.

Incompatible materials: Oxidizing agents, acids

Hazardous decomposition products: Carbon oxides, chlorine-containing compounds, etc.

Hazardous Polymerization: Has not been reported.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicological Item Description

Acute Toxicity Rat oral toxicity - LD₅₀ - 13600 mg/kg

Skin Corrosion/Irritation Causes skin irritation.

Serious Eye Damage/Eye Irritation Causes serious eye irritation.

Respiratory Sensitization No data.

Skin Sensitization May cause skin allergic reactions.

Germ Cell Mutagenicity No data.

Carcinogenicity No data.

Reproductive Toxicity No data.

Specific Target Organ Toxicity - Single Exposure No data.

Specific Target Organ Toxicity - Repeated Exposure No data.

Inhalation Hazard No data.



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SECTION 12 ECOLOGICAL INFORMATION

Toxicity: Toxicity to daphnids and other aquatic invertebrates - EC₅₀ for Daphnia magna - 1.1-2.8 mg/l - 48 h (ECHA); EC₅₀ for Daphnia magna - 1.7 mg/l - 48 h (CERI • NITE Hazard Evaluation Report (Preliminary Version), 2006)

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

Potential Bioaccumulation: No data.

Mobility in Soil: No data.

Other Adverse Effects: No data.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations

SECTION 14 TRANSPORT INFORMATION

RID/ADR (2021 Edition):

Transport Name: Environmentally hazardous liquid substance, n.o.s. (Bisphenol A liquid epoxy resin)

Hazard Class: 9

UN Number: UN3082

Packing Group: III

IATA DGR (63rd Edition):

Transport Name: Environmentally hazardous liquid substance, n.o.s. (Bisphenol A liquid epoxy resin)

Hazard Class: 9

UN Number: UN3082

Packing Group: III

IMO IMDG CODE (2020 Edition):

Transport Name: Environmentally hazardous liquid substance, n.o.s. (Bisphenol A liquid epoxy resin)

Hazard Class: 9

UN Number: UN3082

Packing Group: III

Ems No.: F-A, S-F

Marine Pollutant: Yes

Environmental Hazard: Yes

Special Protective Measures for Users: No data.

In Accordance with MARPOL 73/78 Annex II and IBC Code for Bulk Transport: Not applicable.

SECTION 15 REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

WGK (Water Danger/Protection)

SECTION 16 OTHER INFORMATION

MSDS Creation Date: 7/16/1996 Revision #2 Date: 4/30/2002 The information above is believed to be accurate



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Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide . The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions . It does not represent any guarantee of the properties of the product. EAST CHEMSOURCES LIMITED Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

End of the Material Safety Data Sheet