



Material Safety Data Sheet

Epoxy Resin 128

Section 1 - Identification

1.1 Product Name: Epoxy Resin 128

1.2 Other means of identification

CAS NO.: 1675-54-3

1.3 Recommended Use: Resin Solution

1.4 Supplier/Manufacturer:

Headquarter: Wuhan Jiangling Technology Co.,Ltd.

Factory address: Dongmafang Industrial Park, Yingcheng City, Hubei Province, China

Office address: 3-A, Bolck B1, Jinyintan Modern Enterprise City, Dongxihu District, Wuhan City, Hubei Province, China

1.5 For information, call: +86 27 85679882, fax: +86 27 85679882

For technical support, call: +86 27 85679882

For 24hours emergency, call: +86 27 85679882

Section 2 - Hazards Identification

Human health hazards : Irritating to eyes and skin. May cause sensitization by skin contact.

Class: 9

Environmental Moderately Toxic to fish, not biodegradable, potential to bioaccumulate

UN NO. : 3082

Section 3 - Composition, Information on Ingredients

Composition : Reaction product of epichlorohydrin(ECH) and bisphenol A (BPA).
Mixture of DGEBA(C₂₁H₂₄O₄) component and .higher homologues

Registration numbers : CAS Number 1675-54-3

Chemical Composition	Content (%)	CAS No:
BPA Liquid Epoxy Resin	100	1675-54-3



Section 4 - First Aid Measures

First Aid :

Inhalation : No specific measures, but personal hygiene practices should always be observed.

Skin : Do NOT DELAY. Remove contaminated clothing and wash skin with water, using soap if available.

Eye : Flush the eye with water. If irritation persists, obtain medical attention.

Ingestion : Do NOT INDUCE VOMITING. Obtain medical attention.

Advice to physicians : If skin sensitization has developed and a causal relationship has been confirmed, further exposure should not be allowed.

Section 5 - Fire Fighting Measures

Extinguishing media

Small fire : Use CO₂, dry chemical powder, sand, earth or foam.

large fire : Do not use water jet. Use foam or water fog.
Keep containers cool by spraying with water if exposed to a fire.

Hazards : The product is not in the flammable range but will burn. Carbon monoxide possible where incomplete combustion occurs.

Protective equipment : Wear self-contained breathing apparatus for a large fire.

Section 6 - Accidental Release Measures

Leaks and spills : Extinguish any naked flames.

Small spillage : Absorb any split product which remains with sand or earth. Sweep/shovel up and remove material to a safe place for subsequent disposal. Flush the contaminated area with plenty of water.

Large spillage : Prevent from spreading or entering drains, ditches and rivers, by the use of sand or earth. Inform the local authorities if this cannot be prevented. Transfer to a salvage drum/tank if possible, otherwise treat as for a small spillage.

Personal protection : Refer Section 8.

Section 7 - Handling and Storage



Handling temperatures :	The maximum temperature recommended for pumping or handing liquid product is 60°C.
Storage :	Should be stored in conditions so that moisture is excluded, preferably in the original containers kept tightly closed. Under these conditions and temperature ranging from 2°C to 43°C, the storage life should be within two years.
Container cleaning :	Wash with solvent - incinerate concentrated solvent washings-preferably crush and scrap drums. Alternatively send them for reconditioning.

Section 8 - Exposure Controls, Personal Protection

Exposure controls : There are no recommended or established exposure levels.

Personal protection

Respiratory : Not normally required. In the event of an inhalation risk, use with local exhaust ventilation. If this is not practicable wear a half mask respirator with organic vapour cartridge and built in particulate filter (NPE 20 - gas only) .

Hand : Wear gauntlet type PVC gloves.

Eye : Chemical monogoggles should be worn when there is possibility of splashes, droplets or spray occurring.

Skin : Standard issue work clothes, chemical resistant safety boots without lace holes.

Section 9 - Physical and Chemical Properties

Appearance :	Viscous liquid
Odour :	Slight
Viscosity at 25°C:	11-15 Pa.s
Flash point :	>264°C
Boiling point :	No data available
Flammability :	Not classified as flammable but will burn if ignited
Density at 25°C:	1.16 Kg/l(25 °C)
Vapour pressure at 20°C	< 0.000000046 Pa
Solubility :	Readily soluble in various organic solvents, low solubility in water.
Partition coefficient log Pow 4 (HPLC) :	



Section 10 - Stability and Reactivity

Stability : Conditions to avoid :	Stable under normal conditions at ambient temperatures.
Materials to avoid :	Caustic can induce a vigorous polymerization at temperatures around 200°C.
Other information :	Strong oxidizing agents. Avoid contact with acid, alkaline, amine. Reacts exothermically with amines, mercaptans and Lewis acids at room temperature.

Section 11 - Toxicological Information

Acute toxicity Oral LD50(rat) :	
Dermal LD50(rabbit) : irritation	> 2000 mg/kg
Skin :	> 2000 mg/kg
Eyes : Sensitization : Other	
toxicological effects :	Moderate Moderate Skin sensitizer in man In vitro mutagen, but mutagenic potential not seen in vivo.

Section 12 - Ecological Information

Ecotoxicity :	Moderately toxic to aquatic animals, non toxic to algae, insignificant toxicity to microorganisms.
Persistence :	Not readily biodegradable. Moderate potential to bioaccumulate (log Pow in the range 3-5).

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging



Dispose of as unused product.

Section 14 - Transport Information

14.1 UN number

IATA: 3082

IMDG: 3082

ADR/RID: 3082

14.2 UN proper shipping name

ADR/RIDE: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID,N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin
(number average molecular weight <= 700))

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,LIQUID,N.O.S.
(Reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number
average molecular weight <= 700))

IATA: Environmentally hazardous substance, liquid, n.o.s.
(Reaction product: bisphenol-A(epichlorhydrin) and epoxy resin (number average
molecular weight <=700))

14.3 Transport hazard class(es)

ADR/RID: 9

IATA: 9

IMDG: 9

14.4 Packaging group

IATA: III

IMDG:III

ADR/RID: III

14.5 Environmental hazards

IATA: yes

ADR/RID: yes

IMDG Marine Pollutant: no

Section 15 - Regulatory Information

EC Supply labelling

Label name :	Contains bisphenol A-epichlorohydrin resin with Number Average Molecular Weight <700
Classification :	Xi
Symbols :	
Keyword :	Irritant
Risk phrases :	R36/38 Irritating to eyes and skin. R43. May cause sensitization by skin contact S28 After contact with skin; wash immediately with plenty of soap and water S37/39 Wear suitable gloves and eye / face protection
International inventory status	EINECS : Exempted; Polymer. TSCA : Listed(CAS Number 1675-54-3) AICS : Listed(CAS Number 1675-54-3) MITI : Listed(7-1283) DSL : Listed(CAS Number 1675-54-3)



Section 16 - Additional Information

Further information

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