

 <p>Khuzestan Petrochemical Co.</p>	<h1 style="color: red; margin: 0;">SAFETY DATA</h1> <h1 style="color: green; margin: 0;">SHEET</h1>	Revised Edition No. : 2
		Date : 23/04/2016
		Supersedes : 23/04/2016

1) Identification of the Substance / Preparation & of the Company / Undertaking

Trade Name : EPIRAN -12E
 Identification of the Product : Solid
 Type of Product : Resin Epoxy
 Use : Industrial
 Company Identification :
Factory Address: Site 4, Pet Zone, Bandar Imam, Khuzestan, IRAN.
E-mail: info@kzpc.ir
Tel Info .Center Site: 06152170100-18
Fax No Site: 06152170090

2) Composition / Information on Ingredients

Components	: This Product is Hazardous					
Substance Name	: Contents	UN No.	Cas No.	EC No.	Index No.	Classification
Reaction Product:	Bisphenol -A- (epichlorhydrin)	100%				Xi : R36/38
Epoxy Resin (number average molecular weight >= 900)						R : 43 N : R51-53

3) Hazards Identification

The product has not been classified as a toxic matter as per Regulation of the minister of Health and Social care, of Aug.21, 1997, on chemical matters creating hazard for health and/or life (Official Journal No 105, item 671).

4) First Aid Measures

- General information : The affected person should be removed from the place of exposure.
- Inhalation : Assure fresh air breathing.
- Skin Contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- Eye Contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- Ingestion : If swallowed, seek medical advice immediately and show this container or label.

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5) Fire – Fighting Measures

Flammable Class	:	The product is not flammable.
Hazardous Combustion Products	:	Carbon monoxide, Carbon dioxide.
Surrounding Fires	:	Use water spray or fog for cooling exposed containers.
Protection against Fire	:	Do not enter fire area without proper protective equipment, including respiratory protection.
Special Procedures	:	Avoid (reject) fire – fighting water to enter environment, exercise caution when fighting any chemical fire.

6) Accidental Release Measures

Personal Precautions	:	Spill should be handled by trained cleaning personnel Property equipped with respiratory and eye Protection.
Environmental Precautions	:	Prevent entry to sewers and public waters.
Clean up methods	:	Collect big volumes of spilled material and recycle It for utilization. Small spills should be collected to Marked containers and transferred for disposal in Accordance with local rules.

7) Handling and Storage

General	:	Avoid all unnecessary exposure.
Storage	:	Store in dry, cool, well-ventilated area. Keep container closed when not in use.
Handling	:	There are no special recommendations.

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8) Exposure Controls / Personal Protection

Personal Protection	: Reserved to industrial installations.
- Respiratory protection	: Use respirator when handling EPIRAN-12E in the Powdered form.
- Hand protection	: protective gloves.
- Skin protection	: Protective clothing.
- Eye protection	: Goggles.
- Ingestion	: When using, do not eat, drink or smoke.
- Others	:

9) Physical and Chemical Properties

Physical state at 20 °C	: solid flakes or granules.
Colour	: Colourless to light yellow.
Odour	: faint, hardly detectable.
Boiling Point (°C)	: > 250
Softening point(°C)	: 93-105
Density	: 1.18 – 1.19 (20°C)
Solubility in water	: Insoluble
Solubility	: Completely soluble in ketones, esters, alcohols and aromatic hydrocarbons.
Flash point (°C)	: > 240
Auto – ignition temperature (°C)	: > 500
Flammability – LFL	: Not determined
Flammability – UFL	: Not determined

10) Stability and Reactivity

Hazardous Decomposition Products	: None under normal conditions.
Hazardous Reactions	: None under normal conditions.
Hazardous Polymerization	: Will not occur.
Hazardous Properties	: None under normal conditions.
Materials to avoid	: Amines and amides which are resin hardeners.

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11) Toxicological Information

Rat oral LD50 [mg/kg] : no data
Rat dermal LD50 [mg/kg] : no data

12) Ecological Information

Ecological Effects Information : EPIRAN -12E contains no volatile components and it is Completely insoluble in water hence it will pose no Hazard to the environment.

13) Disposal Considerations

General : the wastes should be safely collected and method for Their further commercial utilization should be Searched for. The local rules should be collected.

14) Transport Information

General Information : EPIRAN -12E creates no hazard for the transport and it is not covered by the RID/ADR regulations. This product can be transported by any means of transport in original and tightly closed unit containers.

15) Regulatory Information

Symbol(s) : Xi: Irritant
N: Dangerous for the environment
R Phrase(s) : R36/38: Irritating to eyes and skin.
R43: May cause sensitization by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37: Wear suitable gloves.
S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

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16) Disposal Considerations

Recommended uses and restrictions : Specifications and technical information on the products may be obtained by your dealer.

The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58EC.

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