

 Khuzestan Petrochemical Co.	<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 -11P  
 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 -11P 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)	: 84-98
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- 11P 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- 11P 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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