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| <br>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 :<br>23/04/2016       |
|  |   | Supersedes :<br>23/04/2016 |

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

Trade Name : EPIRAN -06FL  
 Identification of the Product : Liquid  
 Type of Product : Resin Epoxy  
 Use : Industrial  
 Company Identification :  
**Factory Address: Site 4, Pet Zone, Bandar Imam, Khouzestan, 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%                        | 3082   | 25068-38-6 | 500-033-5 | 603-074-00-8 | Xi : R36/38          |
| Epoxy Resin (number average molecular weight <= 700) |                             |        |            |           |              | R : 43<br>N : R51-53 |

## 3) Hazards Identification

Risk Phrases : Irritating to eyes and skin.  
 May cause sensitization by skin contact.  
 Environmental Hazard : Toxic to aquatic organisms, may cause long – term adverse effect; in the aquatic environment.  
 Symptoms relating to use :  
 - Inhalation : Inhalation unlikely.  
 - Skin Contact : Repeated exposure may cause sensitization due to an Allergic reaction of the skin, redness, pain.  
 - Eye Contact : Redness, Pain, Tears, Blurred Vision.  
 - Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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#### 4) First Aid Measures

- 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.

#### 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.
- General Precautions : Spill area may be slippery.
- Environmental Precautions : Prevent entry to sewers and public waters. May contaminate water supplies. Notify authorities if product enters sewers or public waters.
- Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it.  
Use appropriate container to avoid environmental contamination.

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## 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 | : Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. |

## 8) Exposure Controls / Personal Protection

|                          |   |
|--------------------------|---|
| Personal Protection      | : Reserved to industrial installations.                 |
| - Respiratory protection | : Not required if the ventilation system is efficient.  |
| - Hand protection        | : In case of repeated or prolonged contact wear 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          | : Liquid.  |
| Colour                           | : Colourless to light yellow.  |
| Odour                            | : Light.   |
| Boiling Point (°C)               | : > 200  |
| Density                          | : 1.16 – 1.17 ( 20°C)  |
| Solubility in water              | : Insoluble  |
| Solubility                       | : Completely soluble in ketones, esters, alcohols and aromatic hydrocarbons. |
| Flash point (°C)                 | : > 200  |
| Auto – ignition temperature (°C) | : > 500  |
| Flammability – LFL               | : Not determined   |
| Flammability – UFL               | : Not determined   |
| Viscosity                        | : Max. 15000 mpa.s (25°C)  |

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### 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, Acids, Bases, Oxidizing agent.

### 11) Toxicological Information

Rat oral LD50 [mg/kg] : > 10000  
 Rabbit dermal LD50 [mg/kg] : > 2000

### 12) Ecological Information

Ecological Effects Information : Toxic to aquatic organisms, may cause; long – term adverse effects in the aquatic environment. Prevent its penetration in to sewage systems water reservoirs ground water and/or soil.

### 13) Disposal Considerations

General : Avoid release to the environment.  
 Dispose in a safe manner in accordance with local/national regulations.

### 14) Transport Information

General Information : EPIRAN- 06FL 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.

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### 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.            |

### 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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