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|  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 -01
 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

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| 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

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| 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

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| 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

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| Personal Protection | : Reserved to industrial installations. |
| - Respiratory protection | : Use respirator when handling EPIRAN- 01 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

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|----------------------------------|--|
| 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) | : 63-75 |
| 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

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| 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] : > 5000
Rat dermal LD50 [mg/kg] : > 3000

12) Ecological Information

Ecological Effects Information : EPIRAN-01 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- 01 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.

DISCLAIMER OF LIABILITY

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