

 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-01X75
 Identification of the Product : Liquid
 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) Epoxy Resin (number average molecular weight >= 900)	75%			25036-25-3		
Xylene	15-20%			1330-20-7		
Ethylbenzen	5-10%			100-41-4		

3) Hazards Identification

This product is a " Hazardous chemical" as defined by OSHA Hazard communication Standard .29 CFR 1910.1200.

Eye contact : may cause slight eye irritation may cause slight Temporary corneal injury. Vapor may cause eye Irritation experienced as mild discomfort and redness.
 Skin contact : prolong contact may cause skin irritation with local Redness. Repeated contact may cause skin burns. Vapor may cause skin irritation. May cause drying and Flaking of the skin.
 Inhalation : Vapor concentrations are attainable which could be Hazardous on single exposure. May cause respiratory Irritation and central nervous system depression.
 Ingestion : low toxicity if swallowed . swallowing may result in Gastrointestinal irritation or ulceration. Aspiration into The lungs may occur during ingestion or vomiting, Causing lung damage or even death due to chemical Pneumonia.

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4) First Aid Measures

- Skin Contact : Remove material from skin immediately by washing With soap and plenty of water.
- Eye Contact : flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and Continue flushing for several additional minutes. If Effects occur, consult a physician, preferably an Ophthalmologist.
- Ingestion : do not induce vomiting. Call a physician and/or Transport to emergency facility immediately.
- Inhalation : move person to fresh air. If not breathing, give Artificial respiration. If breathing is difficult, Oxygen should be administered by qualified personnel. Call a physician or Transport to a medical facility.

5) Fire – Fighting Measures

- Extinguishing media : water fog or fine spray. Dry chemical fire Extinguishers. Carbon dioxide fire Extinguishers. Foam. do not use direct water stream.
- Fire fighting procedures : keep people away. Isolate fire and deny unnecessary Entry. Stay upwind.
- Special protective equipment for firefighters:** wear positive –pressure self-contained breathing Apparatus and protective fire fighting clothing (Includes fire fighting helmet, coat, trousers, boots and Gloves).
- Hazardous combustion products : during a fire, smoke may contain the original in Additional to combustion products of varying Composition which may be toxic and/or irritating.

6) Accidental Release Measures

- Personal Precautions : Isolate area. Keep unnecessary and unprotected Personnel from entering the area. No smoking area.
- Environmental Precautions : Prevent from entering into soil, ditches, sewers, waterways and /or groundwater, material will sink in water .

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Clean up methods : contain spilled material if possible . ground and bond all containers and handling equipment. Pump with explosion-proof equipment. If available, use foam to smother or suppress. absorb with materials such as: sand. Polypropylene fiber products. Collect in suitable and properly labeled containers. Remove residual with soap and hot water. Residual can be removed with solvent. solvent are not recommended for clean-up in generally.

7) Handling and Storage

General Storage : Avoid all unnecessary exposure.
: minimize source of ignition, such as static build-up, spark or flame. Store in original container. Storage temp.
Is less than 60°C.

Handling : keep away from heat, sparks and flame. Keep in container closed. Use with adequate ventilation .avoid contact with skin and clothing. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Avoid breathing vapor. Wash thoroughly after handling.

8) Exposure Controls / Personal Protection

Personal Protection

- Respiratory protection : When respiratory protection is required , use an approved air-purifying or positive-pressure supplied-air respirator depending on the potential airborne concentration.
- Hand protection : protective gloves.
- Skin protection : Protective clothing.
- Eye protection : use safety glasses. If exposure causes eye discomfort ,use a full-face respirator.

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- Ingestion : avoid ingestion of even very small amounts; do not consume or store food or tobacco in the work area ; wash hands and face before smoking or eating.
- Others :

9) Physical and Chemical Properties

Physical state at 20 °C	: liquid
Colour	: yellow.
Odour	: aromatic
Boiling Point (°C)-(760mmhg)	: 138 literature (xylene)
Vapor pressure	: 9.5mmhg@20°C literature (xylene)
Vapor density(air=1)	: 3.7
Specific gravity (H2O=1)	: 1.09-1.10 (20°C)
Liquid Density	: 1.09g/cm ³ @25°C
Solubility in water	: Insoluble
Flash point (°C)-Close up	: 27
Auto – ignition temperature (°C)	: 465 literature(xylene)
Flammability – LFL	: 1.1 %(v) literature(xylene)
Flammability – UFL	: 7.0 %(v) literature(xylene)
Dynamic viscosity	: 6000-12000 mpas (@25°C)

10) Stability and Reactivity

Hazardous Decomposition Products	: Decomposition products depend upon temperature ,air supply and the presence of other materials. Uncontrolled exothermic reaction of epoxy resin Release phenolics, carbon monoxide, and water.
Hazardous Reactions	: stable under recommended storage conditions.
Hazardous Polymerization	: will not occur by itself. Masses of more on pound of Product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.
Materials to avoid	: avoid contact with oxidizing materials. Avoid contact Acids, bases. Avoid unintended contact with amines.

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11) Toxicological Information

Ingestion LD50, Rat [mg/kg] : >2000
 Skin LD50, rabbit [mg/kg] : > 2000
 Inhalation LC50, Rat[ppm] : > 4000

12) Ecological Information

Ecological Effects Information

Resin epoxy : in the terrestrial environment, material is expected to Remain in the soil. In the aquatic environment, material Will sink and remain in the sediment.

Xylene : bioccentration potential is low. Potential for Mobility in soil is medium.

Ethylbenzen : bioccentration potential is low. Potential for Mobility in soil is low.

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 : transport must be do under safe condition 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) other information

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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