JALASANJ Co Ltd

MATERIAL SAFETY DATA SHEET MSDS

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: JALAPOX (2 Components EPOXY ADHESIVE)

PRODUCT CODE: 706 - 797

CHEMICAL FAMILY:EPOXY

CHEMICAL NAME: Epoxy Based Adhesive

FORMULA: Epoxy Resin + Hardener

MANUFACTORER:

JALASANJ Company Ltd

No6, Mokhtari St, 17shahrivar St, Shadabad

Fath Highway (old karaj road),

TEHRAN, IRAN

Phone Number: +98-21-66802834

www.jalasanj.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING May cause skin irritation. May cause eye irritation. May cause allergic reaction.

PRIMARY ROUTE(S) OF ENTRY: Skin Contact

POTENTIAL HEALTH EFFECTS:

ACUTE INHALATION: if product is heated, vapors generated can cause headache, nausea, dizziness and possible respiratory irritation if inhaled in high concentrations.

CHRONIC INHALATION:Repeated exposure to high vapor concentrations may cause irritation of pre-existing lung allergies and increase the chance of developing allergy symptoms to this product.

ACUTE SKIN CONTACT: May cause allergic skin response in certain individuals. May cause moderate irritation to the skin such as redness and itching.

CHRONIC SKIN CONTACT:May cause sensitization in susceptible individuals. May cause moderate irritation to the skin.

EYE CONTACT: May cause irritation.

INGESTION: Low acute oral toxicity.

SYMPTOMS OF OVEREXPOSURE: Possible sensitization and subsequent allergic reactions

usually seen as redness and rashes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:..... Pre-existing skin and respiratory disorders may be aggravated by exposure to this product. pre-existing lung and skin allergies may increase the chance of developing allergic symptoms to this product.

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS#	CONCENTRARION (%)
PART1 (Resin)		
Bisphenol-A/Epichlorohydrin Based Epoxy Resin	25068-38-6	30-70
Mineral Fillers	471-34-1	0-70
PART2 (Hardener)		
Polyoxypropyleneediamine	9046-10-0	40-50
Aliphatic Amines	140-31-8	5-15
Alkyl Phenol	84852-15-3	40-50
Mineral Fillers	471-34-1	0-70

4.	FIRST AID MEASURES	
	FIRST AID FOR EYES:	Flush immediately with water for at least 15minutes.
	FIRST AID FOR SKIN:	ų ,
	FIRST AID FOR INHALATION:	Remove to fresh air if effects occur.
	FIRST AID FOR INGESTION:	
5.	FIRE FIGHTING MEASURES	
	FLASH POINT:	. >200°F
	EXTINGUISHING MEDIA:	. Foam, Carbon Dioxide (CO ₂), dry chemical.
	SPECIAL FIRE FIGHTING PROCEDURES:	5 11
	FIRE AND EXPLOSION HAZARD:	
6.	ACCIDENTAL RELEASE MEASURES	
	SPILL OR LEAK PROCEDURES: material (e.g.,sand) and collect in a suitable, closed container. Warm, clean residual.	·
7.	HANDLING AND STORAGE	
	STORAGE TEMPERATURE (min./max.):	40°F (4°C) / 120°F (49°C)
	STORAGE:	
	HANDLING PRECAUTIONS: after handling. Launder contaminated clothing before reuse. Avoid inhould be taken when curing product in large quantities. When mixed which in large masses, can produce enough heat to damage or ignite widely in composition and toxicity.	alation of vapors from heated product. Precautionary steps with epoxy curing agents this product causes an exothermic,
8.	EXPOSURE CONTROLS/PERSONAL PROTECTION	
	EYE PROTECTION GUIDELINES:	Safety glasses with side shields or chemical splash
	SKIN PROTECTION GUIDELINES:rubber, neoprene, butyl rubber or natural rubber) and full body-coverin	• • • • • • • • • • • • • • • • • • • •
	RESPIRATORY/VENTILATION GUIDELINES:	
	Note: West System, Inc. has conducted an air sampling study using the indicate that the components sampled for (epichlorohydrin, benzyl alcothey were significantly below OSHA's permissible exposure levels.	· · · · · · · · · · · · · · · · · · ·
	ADDITIONAL PROTECTIVE MEASURES: skin and eye contact. Avoid skin contact when removing gloves and ot Generally speaking, working cleanly and following basic precautionary exposure to this product under normal use conditions.	her protective equipment. Wash thoroughly after handling.
	OCCUPATIONAL EXPOSURE LIMITS:	
9.	PHYSICAL AND CHEMICAL PROPERTIES	
	PHYSICAL FORM:	
	COLOR: ODOR:	
	BOILING POINT:	
	pH:	
	SOLUBILITY IN WATER:	S .
	BULK DENSITY:VAPOR PRESSURE:	(6)

	VAPOR DENSITY: Heavier than air		
10.	STABILITY AND REACTIVITY		
	STABILITY: Stable.		
	HAZARDOUS POLYMERIZATION: Will not occur by itself, but a mass of more than one pound of product plus an aliphatic amine will cause irreversible polymerization with significant heat buildup.		
	INCOMPATIBILITIES: Strong acids, bases, amines and mercaptans cause polymerization.		
	DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and phenolics may be produced during uncontrolled exothermic reactions or when otherwise heated to decomposition.		
11.	TOXICOLOGICAL INFORMATION		
	No specific oral, inhalation or dermal toxicology data is known for this product. Specific toxicology information for a bisphenol-A based epoxy resin present in this product is indicated below:		
	Oral: LD50 =11.4 g/kg (rats) Dermal: LD50 >20 ml/kg (skin absorption in rabbits)		
	TERATOLOGY: Diglycidyl ether bisphenol-A did not cause birth defects or other adverse effects on the fetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure, or when pregnant rats or rabbits were exposed orally.		
	REPRODUCTIVE EFFECTS: In animal studies, has been shown not to interfere with reproduction.		
12.	ECOLOGICAL INFORMATION		
	In the non-cured liquid form this product may cause long-term harm if released to the environment. Prevent entry into sewers and natural waters.		
	Movement and Partitioning: Bio concentration potential is moderate		
	Degradation and Transformation: Theoretical oxygen demand is calculated to be 2.35 p/p.		
	Ecotoxicology: Material is moderately toxic to aquatic organisms on an acute basis.		
13.	DISPOSAL CONSIDERATIONS		
	WASTE DISPOSAL METHOD: Evaluation of this product using RCRA criteria shows that it is not a hazardous waste, wither by listing or characteristics, in its purchased form. It is the responsibility of the user to determine proper disposal methods.		
	Incinerate, recycle (fuel blending) or reclaim may be preferred methods when conducted in accordance with federal, state and local regulations.		
14.	TRANSPORTATION INFORMATION		
	US Department of Transportation Classification This material is not subject to DOT regulations under 49 CFR Parts 171-180.		
15.	REGULATOR INFORMATION		
	OSHA STATUS: Irritant TSCA STATUS: All components are listed on TSCA inventory or otherwise comply with		
	Canada WHMIS Classification: All components are listed on TSCA inventory or otherwise comply with TSCA requirements. CEPA Chemical Inventory Status: All components are listed or are otherwise compliant with CEPA requirements.		

16. OTHER INFORMATION

 PREPARED BY:
 JALASANJ

 APPROVAL DATE:
 April 29, 2013

 SUPERSEDES DATE:
 September 10, 2012

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Jalasanj Co Ltd. The data on this sheet is related only to the specific material designated herein. Jalasanj Co Ltd. assumes no legal responsibility for use or reliance upon these data.