# JALASANJ Co Ltd

## MATERIAL SAFETY DATA SHEET

MSDS

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... Twin Gum

PRODUCT CODE: Two Components Epoxy Adhesive

CHEMICAL FAMILY:..... Epoxy Base

CHEMICAL NAME: ..... Epoxy Resin + Hardener

FORMULA:.....N/A

## **MANUFACTORER:**

JALASANJ Company Ltd

No6, Mokhtari St, 17shahrivar St, Shadabad

Fath Highway (old karaj road) at 5km,

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.

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.

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 (%)
Epoxy Resin	25068-38-6	30-70
Polyaminoamide Hardener	9046-10-0 84852-153	30-70
Mineral Fillers	471-34-1	0-70

## 4. FIRST AID MEASURES

Flush immediately with water for at least 15minutes.

Consult a physician.

FIRST AID FOR SKIN: Remove contaminated clothing. Wipe excess from skin.

Apply waterless skin cleaner and then wash with soap and water. Consult a physician if effects occur.

FIRST AID FOR INHALATION: Remove to fresh air if effects occur.

FIRST AID FOR INGESTION: No acute adverse health effects expected from amounts

ingested under normal conditionals of use. Seek medical attention if a significant amount is ingested.

5.	FIRE FIGHTING MEASURES		
	FLASH POINT:	>200°F	
	EXTINGUISHING MEDIA:	Foam, Carbon Dioxide (CO₂), dry chemical.	
	SPECIAL FIRE FIGHTING PROCEDURES: full-body personal protective equipment. Closed containers may rupture heat.		
	FIRE AND EXPLOSION HAZARD:	· · · · · · · · · · · · · · · · · · ·	
6.	ACCIDENTAL RELEASE MEASURES		
	SPILL OR LEAK PROCEDURES: material (e.g.,sand) and collect in a suitable, closed container. Warm, s clean residual.	•	
7.	HANDLING AND STORAGE		
	STORAGE TEMPERATURE (min./max.):	40°F (4°C) / 120°F (49°C)	
	STORAGE:prevent moisture absorption and loss of volatiles. Excessive heat over		
	HANDLING PRECAUTIONS:  after handling. Launder contaminated clothing before reuse. Avoid inhat should be taken when curing product in large quantities. When mixed which in large masses, can produce enough heat to damage or ignite swidely in composition and toxicity.	lation of vapors from heated product. Precautionary steps with epoxy curing agents this product causes an exothermic,	
8.	EXPOSURE CONTROLS/PERSONAL PROTECTION		
	EYE PROTECTION GUIDELINES: goggles.	Safety glasses with side shields or chemical splash	
	<b>SKIN PROTECTION GUIDELINES:</b> Wear liquid-proof, chemical resistant gloves (nitrile-butyl rubber, neoprene, butyl rubber or natural rubber) and full body-covering clothing.		
	RESPIRATORY/VENTILATION GUIDELINES:operations. Wear a NIOSH/MSHA approved respirator with an organic concentrations above applicable limits is likely.	• •	
	Note: West System, Inc. has conducted an air sampling study using this product or similarly formulated products. The results indicate that the components sampled for (epichlorohydrin, benzyl alcohol) were either so low that they were not detected at all or they were significantly below OSHA's permissible exposure levels.		
	ADDITIONAL PROTECTIVE MEASURES:skin and eye contact. Avoid skin contact when removing gloves and oth Generally speaking, working cleanly and following basic precautionary exposure to this product under normal use conditions.	ner protective equipment. Wash thoroughly after handling.	
	OCCUPATIONAL EXPOSURE LIMITS:		
9.	PHYSICAL AND CHEMICAL PROPERTIES		
	PHYSICAL FORM:		
	COLOR: ODOR:	· ·	
	BOILING POINT:		
	pH:SOLUBILITY IN WATER:		
	BULK DENSITY:	•	
	VAPOR PRESSURE:		
	VAPOR DENSITY:	Heavier than air	
10.	STABILITY AND REACTIVITY		
	STABILITY:	Stable.	
	HAZARDOUS POLYMERIZATION:of product plus an aliphatic amine will cause irreversible polymerization		
	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

Complete Information not yet available.

## 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

## 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:
 Nov 21 2018

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