

# BioLogic Chemical Works

## MATERIAL SAFETY DATA SHEET

MFG.CODE # 121A

### SECTION I

<b>MANUFACTURER'S NAME</b> <b>BioLogic Chemical Works</b>		<b>EMERGENCY TELEPHONE NO.</b> <b>248-941-0347</b>	
<b>ADDRESS (Street, City, State and Zip Code)</b> <b>P. O. BOX 82501, Rochester MI 48308</b>			
<b>CHEMICAL NAME AND SYNONYMS</b>	N/A	<b>TRADE NAME AND SYNONYMS</b>	<b>EZ Poxy (Part A)</b>
<b>CHEMICAL FAMILY</b>	N/A	<b>FORMULA</b>	N/A

### SECTION II – HAZARDOUS INGREDIENTS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (UNITS)
Bisphenol A/Epichlorohydrin Based Epoxy Resin	(CAS# 25068-38-6)	>1 N/A
Multifunctional Acrylate Monomer	(CAS# 13048-33-4)	>1 N/A

All components of this product are listed on the E.P.A./TSCA inventory of chemical substances.

### SECTION III – PHYSICAL DATA

<b>BOILING POINT °F</b>	200+	<b>SPECIFIC GRAVITY (H2O = 1)</b>	1.13
<b>VAPOR PRESSURE (mm. Hg. @ 20°C)</b>	0.09	<b>PERCENT VOLATILE BY VOLUME (%)</b>	0
<b>VAPOR DENSITY (AIR = 1)</b>	heavier	<b>EVAPORATION RATE ( =1) N-Butyl Acetate</b>	slower
<b>SOLUBILITY IN WATER</b>	negligible	<b>PH</b>	N/A

**APPEARANCE AND ODOR**  
Clear to light amber viscous liquid with characteristic acrylate odor.

### SECTION IV – FIRE AND EXPLOSION DATA

<b>FLASH POINT (Method Used)</b>  200+°F (Setaflash)	<b>FLAMMABLE LIMITS</b>	LeI	UeI
		Not	Determined

**EXTINGUISHING MEDIA**  
Water Fog, Dry Chemical, Foam, Carbon Dioxide

**SPECIAL FIRE FIGHTING PROCEDURES**  
Fire fighters should wear full protective clothing including self-contained respiratory equipment operated in a positive mode. Use water spray to keep containers cool.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of containers.

(Continued on reverse side)





## SECTION V – HEALTH HAZARD DATA

<b>THRESHOLD LIMIT VALUE</b> 700 ppm/H	<b>PRIMARY ROUTES OF ENTRY</b> Inhalation   X   Skin Contact   X   Other (Specify)		
<b>EFFECTS OF OVEREXPOSURE</b> Eyes- vapors and liquid are irritating and corrosive to eyes- prolonged contact may cause blindness. Skin- corrosive to skin, may cause sensitization. Inhalation- may be corrosive to upper respiratory tract, may be toxic if inhaled. Ingestion- corrosive to mouth, throat, and stomach.			
<b>EMERGENCY AND FIRST AID PROCEDURE</b> Eyes- flush with copious amounts of water lifting lids and removing contact lenses to ensure complete irrigation- get medical attention. Skin- remove contaminated clothing and flush with water and then wash with soap and water, launder contaminated clothing before reuse- get medical attention. Inhalation- remove to fresh air and assist breathing as necessary- get medical attention. Ingestion- DO NOT INDUCE VOMITING- give one glass of water unless victim is drowsy, convulsing, or unconscious- get medical attention immediately.			
<b>MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE</b> Persons with pre-existing eye, skin, or respiratory disorders.			
<b>CARCINOGEN:</b> No	NTP	IARC	OTHER

## SECTION VI – REACTIVITY DATA

<b>STABILITY</b>	<b>UNSTABLE</b>		<b>CONDITIONS TO AVOID</b> Excessive heat and open flames
	<b>STABLE</b>	X	
<b>INCOMPATIBILITY (Materials to avoid)</b> Strong Oxidizers			
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> Oxides of Carbon and Nitrogen, Nitrogen containing organic compounds			
<b>HAZARDOUS POLYMERIZATION</b>	<b>MAY OCCUR</b>		<b>CONDITIONS TO AVOID</b> None
	<b>WILL NOT OCCUR</b>	X	

## SECTION VII – SPILL OR LEAK PROCEDURES

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> Eliminate all sources of ignition and ventilate area. Use absorbent material to soak up spill. Shovel or sweep into container for disposal. Clean area with detergent solution.	
<b>WASTE DISPOSAL METHOD</b> In accordance with all Local, State, and Federal Regulations.	

## SECTION VIII – SPECIAL PROTECTION INFORMATION

<b>SPECIAL RESPIRATORY PROTECTION (Specify type)</b> Use NIOSH approved respirator in areas where TLV has been exceeded.		
<b>VENTILATION</b>	<b>LOCAL EXHAUST</b> To control TLV	<b>SPECIAL</b> N/A
	<b>MECHANICAL (General)</b> To control TLV	<b>OTHER</b> N/A
<b>PROTECTIVE GLOVES</b> Impervious	<b>EYE PROTECTION</b> Chemical Goggles	
<b>OTHER PROTECTIVE EQUIPMENT</b> Eyewash and safety shower		

## SECTION IX – SPECIAL PRECAUTIONS

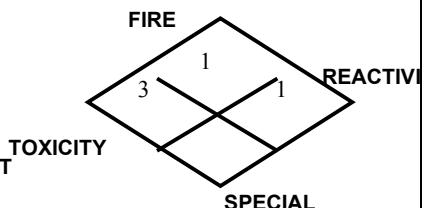
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b> CORROSIVE MATERIAL- avoid contact- wear protective clothing and wash thoroughly after using. Avoid inhalation of vapors or mists- use only with adequate ventilation. Do not take internally. Avoid storage in areas of excessive heat or near sources	
<b>OTHER PRECAUTIONS</b> of ignition. Keep container closed when not in use. Keep Out of Reach of Children	

### HMIS SYMBOL

HEALTH	3
FLAMMABILITY	1
REACTIVITY	1

	<b>HMIS</b>	<b>NFPA</b>
SEVERE	4	EXTREME
SERIOUS	3	HIGH
MODERAT	2	MODERATE
SLIGHT	1	SLIGHT
MINIMAL	0	INSIGNIFICANT

### NFPA SYMBOL



<b>NAME</b>	John Petoskey
<b>SIGNATURE</b>	
<b>TITLE</b>	Technical Support
<b>PREPARATION DATE</b>	September 30, 2011
<b>PHONE NUMBER</b>	248-941-0347
<b>PAGE TWO:</b>	<b>EZ Pox (Part B)</b>

# BioLogic Chemical Works

## MATERIAL SAFETY DATA SHEET

MFG.CODE # 121C

### SECTION I

<b>MANUFACTURER'S NAME</b> <b>BioLogic Chemical Works</b>		<b>EMERGENCY TELEPHONE NO.</b> <b>248-941-0347</b>	
<b>ADDRESS (Street, City, State and Zip Code)</b> <b>P. O. BOX 82501, Rochester MI 48308</b>			
<b>CHEMICAL NAME AND SYNONYMS</b> N/A		<b>TRADE NAME AND SYNONYMS</b> <b>EZ Poxy (Part C)</b>	
<b>CHEMICAL FAMILY</b> N/A		<b>FORMULA</b> N/A	

### SECTION II – HAZARDOUS INGREDIENTS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (UNITS)
Silicon Dioxide (CAS# 7631-86-9)	>1	10 mg/m <sup>3</sup>
Titanium Dioxide (CAS# 13463-67-7)	<1	N/A
Carbon Black (CAS# 1333-86-4)	<1	N/A

All components of this product are listed on the E.P.A./TSCA inventory of chemical substances.

### SECTION III – PHYSICAL DATA

<b>BOILING POINT °F</b>	N/A	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b>	70 lbs/ft
<b>VAPOR PRESSURE (mm. Hg.)</b>	N/A	<b>PERCENT VOLATILE BY VOLUME (%)</b>	0
<b>VAPOR DENSITY (AIR = 1)</b>	N/A	<b>EVAPORATION RATE ( =1)</b>	N/A
<b>SOLUBILITY IN WATER</b>	insoluble	<b>PH</b>	N/A
<b>APPEARANCE AND ODOR</b> Grey granules with no odor.			

### SECTION IV – FIRE AND EXPLOSION DATA

<b>FLASH POINT (Method Used)</b> None	<b>FLAMMABLE LIMITS</b>	LeI	UeI
		N/A	N/A
<b>EXTINGUISHING MEDIA</b> Use extinguishing media suitable for fighting surrounding fire.			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Fire fighters should wear full protective clothing including self-contained respiratory equipment operated in a positive mode.			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> None			

(Continued on reverse side)

