

**SAFETY DATA SHEET**

**1.PRODUCT NAME:** Fotoboard Substrate FR4

**2.COMPANY DETAIL:** Fotomechanix Ltd  
P.O.Box 4344  
30 Curzon Street  
Birmingham. B4 7XD

Telephone: 0121 359 1916

**3.COMPOSITION/INFORMATION ON INGREDIENTS:**

**COMMON CHEMICAL NAME:** Polymerised Epoxy Resin

**COMPOSITION:** Epoxy glass laminate with copper facing, coating with a positive resist

**CHEMICAL FAMILY:** Resins

**CAS NAME AND NUMBER:** 25068-38-6 Epoxy Resin

**INGREDIENTS CONTRIBUTING TO THE HAZARD:** Bisphenol A- (Epichlorohydrin) (Reaction Product)

**4. HAZARDS INFORMATION:**

**HAZARD IDENTITY:** Irritant

**RISK PHRASES:** R37/38 - Irritating to respiratory system and skin  
R43 - May cause sensitisation by skin contact

**SAFETY PHRASES:** S28 - After contact with skin, wash immediately with plenty of water  
S37/39 - Wear suitable gloves and eye/face protection

**5. FIRST AID MEASURES:**

**EYE CONTACT:** Flush with plenty of water. Seek Medical Advice

**SKIN CONTACT:** Wash immediately with water

**INHALATION:** Remove from exposure. Seek medical advice

**INGESTION:** Seek medical advice

**NOTE FOR DOCTORS:**

**6.FIRE FIGHTING MEASURES:**

**EXTINGUISHING MEDIA:** Non - flammable

**SPECIAL EXPOSURE HAZARDS:** N/A

**HAZARDOUS DECOMPOSITION/  
COMBUSTION PRODUCTS:** N/A

**SAFETY DATA SHEET****7.ACCIDENTAL RELEASE MEASURES:****PERSONAL PRECAUTIONS:** Wear suitable gloves and eye/face protection**ENVIRONMENTAL PRECAUTIONS:** Not known**METHODS FOR CLEANING UP:** Pick up (possible to sweep up)**8.HANDLING AND STORAGE:****HANDLING:** Wear suitable gloves and eye/face protection. Extraction is required if the substrate is machined**STORAGE:** Store in a cool dry atmosphere at 19°C at 50% Relative Humidity

<b>MATERIALS:</b>	<b>UNSUITABLE</b>	<b>SUITABLE</b>
	Not Known	Not Known

**9.EXPOSURE CONTROLS/PERSONAL PROTECTION:****PERSONAL PROTECTIVE EQUIPMENT:** Wear suitable gloves and eye/face protection. Use extractors or respirators when machining**CONCENTRATION LIMITS:**  
5% ≤ Concentration (Irritant)  
1% ≤ Concentration < 5% (Irritant)**INSTALLATION CONTROL:** See Storage**10.PHYSICAL AND CHEMICAL PROPERTIES:**

<b>APPEARANCE:</b>	Solid
<b>DENSITY</b> Vapour (air = 1.0)	
Liquid kg/m <sup>3</sup> at °C	1.93
Bulk kg/m <sup>3</sup> at °C	
<b>ODOUR:</b>	Odourless
<b>MOLECULAR WEIGHT:</b>	≤ 700
<b>pH:</b>	N/A
<b>SOLUBILITY:</b>	N/A
<b>BOILING POINT:</b>	N/A
<b>MELTING POINT:</b>	N/A
<b>VAPOUR PRESSURE AT °C:</b>	N/A
<b>FLASH POINT:</b>	N/A
<b>FLAMMABILITY:</b>	N/A
<b>AUTOFLAMMABILITY:</b>	N/A

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### 11. STABILITY AND REACTIVITY:

**STABILITY:** Stable

**CONDITIONS TO AVOID:** N/A

**MATERIALS TO AVOID:**

**-WATER:** N/A

**-AIR:** N/A

**-ACIDS:** N/A

**-BASES/ALKALIS:** N/A

**-OXIDISING AGENTS:** N/A

**-OTHER CHEMICALS:** N/A

**HAZARDOUS DECOMPOSITION**

**PRODUCTS:** N/A

### 12. TOXICOLOGICAL INFORMATION:

**EFFECT OF SUBSTANCE:**

**-ON EYES:** Irritating to eyes

**-ON SKIN:** Irritating to skin

**-BY SKIN ABSORPTION:** Not Known

**-BY INGESTION:** Irritating to throat and digestive tubes

**-WHEN INHALED**

**ACUTE EFFECT:** Irritating to respiratory tract

**CHRONIC EFFECT:**

### 13. ECOLOGICAL INFORMATION:

No information known as to the ecological effects

### 14. DISPOSAL CONSIDERATIONS:

**SPILLAGES:** Possible to sweep up

**WASTE:** Dispose of through a licenced waste disposal firm

### 15. TRANSPORT INFORMATION:

**UN NUMBER:** Not known

**ADR/RID CLASSIFICATION:** Not known

**IMO CLASSIFICATION:** Not known

**IATA CLASSIFICATION:** Not known

**HAZCHEM CODE:** Not known

**TREMCARD NUMBER:** Not known

**NORMAL CARRIAGE PRESS.:** 50% relative humidity

**NORMAL CARRIAGE TEMP.:** 19°C

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**16.REGULATORY INFORMATION:**

**LABELLING ACCORDING TO EEC DIRECTIVES:**

**-EEC NUMBER:** N/A

**RELEVANT STATUTORY INSTRUMENTS:**

SI 1988/1657 Control of Substances Hazardous to Health Regulations

SI 1993/1746 Chemicals (Hazard Information and Packaging) Regulations

**17.OTHER INFORMATION**

N/A