

### SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

NAME: FOTOBOARD SUBSTRATE FR4 PART Nos: VARIOUS  
MICROTRAK

#### MANUFACTURER'S/SUPPLIERS NAME, REGISTERED ADDRESS

#### AND EMERGENCY TEL NO:

MEGA ELECTRONICS LTD.,  
THE GRIP INDUSTRIAL ESTATE,  
LINTON, CAMBRIDGE.  
ENGLAND, CB21 4XN.  
TELEPHONE: +44 0 1223 893900

#### ORGANISATIONS NAME & ADDRESS

#### AT WHICH MANUFACTURED

### SECTION 2 COMPOSITION/INFORMATION ON

#### INGREDIENTS

COMPONENT	%BY WT	CAS & EEC Nos:	HAZARD	R PHRASE	Nos
POLYMERISED EPOXY RESIN		25068-38-6	IRRITANT	37 / 38, 43	
BISPHENOL A – (EPICHLOROHYDRIN)					

### SECTION 3 HAZARDS IDENTIFICATION

EPOXY GLASS LAMINATE WITH COPPER FACING, COATING WITH A POSITIVE RESIST - IRRITANT

### SECTION 4 FIRST AID MEASURES

#### INHALATION:

REMOVE FROM EXPOSURE TO FRESH AIR. SEEK MEDICAL ATTENTION

#### SKIN CONTACT:

IRRIGATE THOROUGHLY WITH SOAP AND WATER.

#### EYE CONTACT:

IRRIGATE THOROUGHLY WITH WATER. SEEK MEDICAL ATTENTION.

#### INGESTION:

SEEK MEDICAL ATTENTION.

**MEDICAL NOTES:** N/A

### SECTION 5 FIRE FIGHTING MEASURES

#### EXTINGUISHING MEDIA

NOT FLAMMABLE

#### COMBUSTION PRODUCTS

N/A

#### FIRE/EXPLOSION SCENARIOS

NONE USUAL

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PROTECTION

WEAR SAFETY GOGGLES AND PROTECTIVE RUBBER OR VINYL GLOVES

**ENVIRONMENTAL PRECAUTIONS** . NOT KNOWN

**WORKPLACE PRECAUTIONS** NONE

**METHODS FOR CLEARING UP:** POSSIBLE TO SWEEP UP

### SECTION 7 HANDLING AND STORAGE

#### HANDLING PRECAUTIONS

ALWAYS WEAR SUITABLE PROTECTIVE CLOTHES. EXTRACTION IS REQUIRED IF THE SUBSTRATE IS MACHINED.

#### STORAGE INCLUDING ANY SPECIAL REQUIREMENTS (TEMPERATURE, VENTILATION, ETC)

STORE IN A COOL DRY ATMOSPHERE AT 19°C AT 50% RELATIVE HUMIDITY

### SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

**ENGINEERING CONTROLS/ VENTILATION** LOCAL EXHAUST VENTILATION REQUIRED IF MACHINED

#### RESPIRATORY PROTECTION

USE EXTRACTORS OR RESPIRATORS WHEN MACHINING

**EYE PROTECTION** WEAR PROTECTIVE GOGGLES.

**HAND PROTECTION** WEAR PROTECTIVE RUBBER/ VINYL GLOVES

#### SKIN PROTECTION

NONE OTHER THAN EYE / HAND PROTECTIONS AS ABOVE

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** SOLID

**COLOUR:**

**ODOUR:** ODOURLESS

**ACIDITY/ALKALINITY pH:**  
5g/LITRE H<sub>2</sub>O

**BOILING POINT** N/A

**MELTING POINT** N/A

**FLASH POINT °C** (Open/Closed Cup): N/A

**AUTO IGNITION TEMP °C:** N/A

**THERMAL DECOMPOSITION TEMP °C:** N/A

**EXPLOSIVE PROPERTIES:** N/A

**EXPLOSIVE LIMITS AT 25°C** (% VOL. IN AIR)

**LOWER:**                      **UPPER:**

**RELATIVE DENSITY:** LIQUID kg/m<sup>3</sup> at °C 1.93

**SOLID CONTENT %:**

**SOLUBILITY IN WATER:** N/A

**SOLUBILITY** N/A

**VOLATILE CONTENT:** STABLE

**VAPOUR PRESSURE** mm Hg at 20°C

**RELATIVE VAPOUR DENSITY**

(air = 1):

(of principle component and name):

**EVAPORATION RATE**

**CONDUCTIVITY:**

(n-butyl acetate = 1):

### SECTION 10 STABILITY AND REACTIVITY PROPERTIES

**CONDITIONS TO AVOID:**

NONE - STABLE

### SECTION 11 TOXICOLOGICAL INFORMATION

**HAZARDOUS DECOMPOSITION PRODUCTS:** IRRITATING TO THROAT AND DIGESTIVE TUBES.

**EFFECT OF EYE CONTACT:** IRRITATING TO EYES

**EFFECT OF SKIN CONTACT:** IRRITATING TO SKIN

**EFFECT OF INHALATION:** IRRITATING TO RESPIRATORY TRACT

**EFFECT OF INGESTION:** N/A

### SECTION 12 ECOLOGICAL INFORMATION

### SECTION 13 DISPOSAL CONSIDERATIONS

POSSIBLE TO SWEEP UP  
ALWAYS DISPOSE OF ACCORDING TO LOCAL GOVERNMENT REGULATIONS.

### SECTION 14 TRANSPORT INFORMATION

**UN-Nr:** N/A      **IATA CLASS:** N/A      **PACKING GROUP:**      **ADR/RID:**  
**CLASS:** CARRIAGE TEMP: 19°C

### SECTION 15 REGULATORY INFORMATION

**PRODUCT TRADE NAME / DESIGNATION:** POLYMERISED EPOXY RESIN

**CONTAINS:**                      BISPHENOL A (EPICHLOROHYDRIN)

**HAZARD SYMBOL:** 0-                      NOT CLASSIFIED

#### **RISK PHRASE Nos. & Words:**

**37/38** IRRITATING TO RESPIRATORY SYSTEM AND SKIN  
**43**    MAY CAUSE SENSITISATION BY SKIN CONTACT

#### **SAFETY PHRASE Nos. & WORDS:**

**S28**    AFTER CONTACT WITH SKIN WASH IMMEDIATELY WITH  
PLENTRY OF SOAP AND WATER  
**S/37/39** WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES

#### **OTHER INFORMATION**

**RECOMMENDED USES AND RESTRICTIONS:**

Use only as directed.