



# Material Safety Data Sheet

## TG-LH-FBPE-80(A)



ISO 9001:2008  
Certificate Reg : 01 100 117287  
ISO14001:2004+Cor1:2009  
Certificate Reg : 01 104 117287  
ISO/TS 16949:2009  
Certificate Reg : 01 111 117287  
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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Flexible Black Potting Epoxy TG-LH-FBPE-80 (Part A)
Use:	Flexible Black Potting Compound for potting electronic components
Manufacturer's Name:	T-Global Technology
Manufacturer's Address:	40 Centenary Business Centre Hammond House Nuneaton Warwickshire CV11 6RY United Kingdom
Emergency Telephone Number:	+44 (0) 20 8133 2062

### 2. HAZARD IDENTIFICATION GHS CLASSIFICATION

PHYSICAL HAZARD	<i>Not Applicable</i>
HEALTH HAZARD	
Skin irritation	Category 2
Eye irritation	Category 2
Skin sensitization	Category 1
ENVIRONMENTAL HAZARD	<i>Not Applicable</i>

### LABEL ELEMENTS

SYMBOL



SIGNAL WORDS	Warning
HAZARD STATEMENT	H315 : Cause skin irritation H319 : Cause serious eyes irritation H317 : May cause allergic skin reaction

### 3. COMPOSITION

Chemical Name	Cas No.	Percentage	Exposure Limit
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Epoxy resin	25085-99-8	50-80	Not established
Inorganic filler	Proprietary	20-40	Not established
Black Pigment	Proprietary	0.1-3	Not established
Fillers	Proprietary	1-5	Not established

#### 4. EMERGENCY AND FIRST AID MEASURES

Eye contact:	<i>Flush with water for 15 minutes and seek medical advice if pain persists</i>
Skin contact:	<i>Wash off with soap and water</i>
Ingestion:	<i>Rinse out mouth and then drink plenty of water. Seek medical treatment.</i>
Inhalation:	<i>Remove to fresh air if effects occur. Consult a physician.</i>

#### 5. FIRE-FIGHTING MEASURES

Extinguishing medium:	<i>Carbon dioxide, dry chemical, water jet or foam.</i>
Fire fighting instructions:	<i>Keep containers, if exposed to fire cool with water</i>
Special hazards:	<i>Carbon monoxide can be released in case of fire.</i>

#### 6. ACCIDENTAL RELEASE MEASURES

Environmental protection:	<i>Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground or soil.</i>
Spill/Leak procedures:	<i>Absorb with sand or sawdust.</i>

#### 7. HANDLING AND STORAGE

Handling:	<i>Prevent contact with eyes and skin. Wear goggles and rubber gloves.</i>
Storage:	<i>Store in tightly closed containers below -20°C.</i>



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### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Eye/skin protection: *Wear safety glasses, plastic apron and rubber gloves.*

Respiratory protection: *Not necessary if room is well-ventilated.*

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black Liquid	Flash point:	> 250 <sup>o</sup> C
Odour:	<i>Weak, epoxy</i>	Ignition temperature:	460 <sup>o</sup> C
Solubility in water:	<i>Soluble</i>	Decomposition temperature	> 200 <sup>o</sup> C
Boiling point:	> 200 <sup>o</sup> C	Viscosity, 25 <sup>o</sup> C:	18,000 cP
Vapour pressure	<i>Not known</i>	Density, 20 <sup>o</sup> C	1.16 – 1.18 g/cm3

### 10. STABILITY AND REACTIVITY

Conditions to avoid: *Excess heating over long periods of time degrades the resin.*

Incompatibles: *Bases, acids, amines and oxidizing materials*

Decomposition products: *The by-products expected in incomplete combustion are mainly phenolics, carbon monoxide, oxides of nitrogen and water*

Hazardous polymerization: *Will not occur by itself, but masses of more than 500 grams of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.*

### 11. TOXICOLOGICAL INFORMATION

Toxicity data: *Dermal: LD50 :4671 mg/kg (arnab rabbit)*

Effects of overexposure: *The product has a primary irritant effect on the skin, mucous membranes, and eyes. Sensitization may occur if contact with skin is prolonged.*



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### 12. ECOLOGICAL INFORMATION

Mobility and bioaccumulation: *No available data*

Biodegradability: *No available data.*

Aquatic toxicity: *LC50 (96h)-Fish:9mg/l  
EC50 (48h)-Daphnia magna5mg/l  
EC50 (72h)- Algae: 27mg/l*

### 13. DISPOSAL CONSIDERATIONS

*Disposal should be in accordance with local, state or national legislation*

### 14. TRANSPORT INFORMATION

<i>DOT (49 CFR 172) Domestic Ground Transport</i>	<i>Proper Shipping Name: Hazard Class or Division: Identification Number: Marine Pollutant:</i>	<i>Unrestricted Unrestricted None Non</i>
<i>IATA</i>	<i>Proper Shipping Name: Class or Division: UN or ID Number</i>	<i>Unrestricted Unrestricted None</i>

### 15. REGULATORY INFORMATION

Classification according The Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and Industry Code of Practice on Chemicals Classification and Hazard Communication (ICOP).

### 16. OTHER INFORMATION

*This information is given in good faith, but no warranty, expressed or implied, is made. Please contact T-Global Technology for further information*