

Safety Data Sheet

TG-LH-FBPE-80F Flexible Black Potting Epoxy

Version No:
03122019

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	TG-LE-FBPE-80F Flexible Black Potting Epoxy, Part B Hardener
Use:	<i>Potting epoxy for electronic and electrical components</i>
Supplier's Name:	T-Global Technology (Europe & North America) Ltd.
Manufacturer's Address:	Units 1-2 Cosford Business Park, Central Park, Lutterworth, Leicestershire LE17 4QU, United Kingdom
Emergency Telephone Number:	+44 (0)1455 553 510

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARD	<i>Not Applicable</i>
HEALTH HAZARD	
Acute toxicity (oral)	Category 4
Acute toxicity (dermal)	Category 4
Skin irritation	Category 1
Eye irritation	Category 1
ENVIRONMENTAL HAZARD	
Acute hazard	Category 1

LABEL ELEMENTS

SYMBOL



SIGNAL WORD Amaran
Warning



HAZARD STATEMENT	Not applicable
PHYSICAL HAZARDS:-	H302: (oral): Harmful if swallowed.
HEALTH HAZARDS:-	H312: (dermal): Harmful if in contact with skin. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage.
ENVIRONMENTAL HAZARDS:-	H410: Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

PREVENTION:-

- P264: Wash hand thoroughly after handling.
- P270: Do not eat, drink, or smoke when using this product.
- P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P260: Do not breathe dust/fume/gas/mist/vapours/spray.
- P273: Avoid release to the environment.
- P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

RESPONSE:-

- P330: Rinse mouth.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321: Specific treatment (if immediate administration of antidote is required)
- P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P310: Immediately call a POISON CENTER or doctor/physician
- P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P391: Collect spillage.

STORAGE:-

- P405: Store locked up.

DISPOSAL:-

- P501: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local/regional/national/international regulation.



3. COMPOSITION

Chemical Name	CAS No.	Percentage	Exposure Limit
<i>Alkyl amine</i>	<i>Trade secret</i>	<i>>60%</i>	<i>Not established</i>
<i>Alkyl phenol</i>	<i>Trade secret</i>	<i>10 to <30%</i>	<i>Not established</i>

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:	

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 in cool, dry place. A nitrogen atmosphere is recommended for storage above 30°C.</i>



8. EXPOSURE CONTROL AND PERSONAL PROTECTION

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

Respiratory protection: *NIOSH approved respiratory protection for organic vapours.*

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	<i>Yellowish liquid</i>	Flash point:	<i>163°C</i>
Odour:	<i>Ammonia like</i>	Ignition temperature:	<i>Not determined</i>
Solubility in water:	<i>>10%</i>	Decomposition temperature:	<i>Not determined</i>
Boiling point:	<i>260°C</i>	Viscosity, 25°C:	<i>180 cP</i>
Vapour pressure	<i>1mmHg at 100 °C</i>	Density, 20°C	<i>0.95 g/cm³</i>

10. STABILITY AND REACTIVITY

Conditions to avoid: *Keep away from sunlight.
Excessive 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: *Oral LD50 of 715 mg/kg in rats. Dermal LD50 of 1740 mg/kg in rabbits.*

Effects of overexposure: *It is not listed as carcinogen by NTP, IARC, and OSHA.*

12. ECOLOGICAL INFORMATION

Mobility and bioaccumulation: *No available data.*

Biodegradability: *No available data.*

Aquatic toxicity: *No available data.*



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:</i>	<i>Unrestricted</i>
	<i>Hazard Class or Division:</i>	<i>Unrestricted</i>
	<i>Identification Number:</i>	<i>None</i>
	<i>Marine Pollutant:</i>	<i>None</i>

<i>IATA</i>	<i>Proper Shipping Name:</i>	<i>Unrestricted</i>
	<i>Class or Division:</i>	<i>Unrestricted</i>
	<i>UN or ID Number</i>	<i>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 (Europe and North America) Ltd for further information.
