



Safety Data Sheet

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

Version No:
03122019

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3-Dec-2019

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TG-LH-FBPE-80F Flexible Black Potting Epoxy, Part A Resin

Use: *Potting epoxy for electronic and electrical components*

Manufacturer's Name: T-Global Technology (Europe and North America) Ltd.

Manufacturer's Address: Units 1 & 2 Cosford Business Park, Central Park, Lutterworth, Leicestershire, LE17 4QU, UK

Emergency Telephone Number: +44 (0)1455 553 510

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARD
Not Classified

HEALTH HAZARD

Skin irritation
Category 2

Eye irritation
Category 2

Skin sensitization
Category 1

ENVIRONMENTAL HAZARD

Acute hazard
Category 2

Chronic hazard
Category 2

LABEL ELEMENTS

SYMBOL



SIGNAL WORD
Warning



HAZARD STATEMENT

PHYSICAL HAZARDS:-	Not applicable
HEALTH HAZARDS:-	H315: Cause skin irritation H319: Cause serious eye irritation H317: May cause an allergic skin reaction
ENVIRONMENTAL HAZARDS:-	H400: Very toxic to aquatic life H411: Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

PREVENTION:-	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash hand thoroughly after handling. P272: Contaminated work clothing shall not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
RESPONSE:-	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P321: Specific treatment (if immediate administration of antidote is required) P332 + P313: If skin irritation occurs: Get medical advice/attention. P362: Take off contaminated clothing and wash before reuse. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/ attention. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P333 + P313: If skin irritation or rash occurs: Get medical advice/ attention. P363: Wash contaminated clothing before reuse. P391: Collect spillage.
STORAGE:-	No precautionary statement.
DISOPOSAL:-	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>Epoxy resin</i>	<i>Trade secret</i>	<i>>60%</i>	<i>Not established</i>
<i>Inorganic filler</i>	<i>Trade secret</i>	<i>30 to <60%</i>	<i>Not established</i>
<i>Black pigment</i>	<i>Trade secret</i>	<i>1 to <3%</i>	<i>Not established</i>

4. EMERGENCY AND FIRST AID MEASURES

Eye contact: *Flush with water for 15 minutes and seek medical advice if pain persists.*

Skin contact: *Wash off with soap and water.*

Ingestion: *Rinse out mouth and then drink plenty of water. Seek medical treatment.*

Inhalation: *Remove to fresh air if effects occur. Consult a physician.*

5. FIRE-FIGHTING MEASURES

Extinguishing medium: *Carbon dioxide, dry chemical, water jet or foam.*

Firefighting instructions: *Keep containers, if exposed to fire cool with water.*

Special hazards: *Carbon monoxide can be released in case of fire.*

6. ACCIDENTAL RELEASE MEASURES

Environmental protection: *Do not allow to enter drainage system, surface or ground water.
Do not allow to enter the ground or soil.*

Spill/Leak procedures: *Absorb with sand or sawdust.*

7. HANDLING AND STORAGE

Handling: *Prevent contact with eyes and skin. Wear goggles and rubber gloves.*

Storage: *Store in tightly closed containers in cool, dry place. A nitrogen atmosphere is recommended for storage above 30°C.*

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>Black liquid</i>	Flash point:	<i>Closed cup 264 - 268 °C at 102.89 hPa</i>
Odour:	<i>Irritating</i>	Ignition temperature:	<i>Not known</i>
Solubility in water:	<i>None</i>	Decomposition temperature:	<i>Not known</i>
Boiling point:	<i>320°C at 760mmHg</i>	Viscosity, 25°C:	<i>24,720cP</i>
Vapour pressure:	<i>Not known</i>	Density, 20°C:	<i>1.40 g/cm3</i>



10. STABILITY AND REACTIVITY

Incompatibles:	<i>Bases, acids, amines and oxidizing materials.</i>
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Decomposition products:	<i>The by-products expected in incomplete combustion are mainly phenolics, carbon monoxide, oxides of nitrogen and water.</i>
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Hazardous polymerization:	<i>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.</i>
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11. TOXICOLOGICAL INFORMATION

Toxicity data:	<i>Oral LD50 of 5000 mg/kg in rats. Dermal LD50 of 20 000 mg/kg in rabbits.</i>
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Effects of overexposure:	<i>It is not listed as carcinogen by NTP, IARC, and OSHA.</i>
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12. ECOLOGICAL INFORMATION

Mobility and bioaccumulation:	<i>No available data.</i>
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Biodegradability:	<i>No available data.</i>
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Aquatic toxicity:	<i>No available data.</i>
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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.
