

## 1. Product and Company Identification

**Product Code:** 00027  
**Product Name:** LAST-A-FOAM® FR-4800  
**Trade Name:** Rigid Syntactic  
**Company Name:** General Plastics Manufacturing Company      **Phone Number:** (253)473-5000  
 4910 S. Burlington Way  
 Tacoma, WA 98409  
**Web site address:** www.generalplastics.com  
**Email address:** support@generalplastics.com

## 2. Hazards Identification

**GHS Signal Word:** None  
**GHS Hazard Phrases:** No phrases apply.  
**GHS Precaution Phrases:** No phrases apply.  
**GHS Response Phrases:** No phrases apply.  
**GHS Storage and Disposal Phrases:** No phrases apply.  
**Potential Health Effects (Acute and Chronic):** Fine dust can be irritating due to mechanical action in the eye. Dust may be slightly irritating to eyes and respiratory tract. Eye protection is recommended. An approved dust mask may be worn if needed.

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
7782-42-5	Graphite	10.0 -50.0 %	

## 4. First Aid Measures

**Emergency and First Aid Procedures:**

**In Case of Inhalation:** If inhaled, remove to fresh air.

**In Case of Skin Contact:** Wash off with soap and plenty of water.

**In Case of Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Mechanical effects only.

**In Case of Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Signs and Symptoms Of Exposure:** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 5. Fire Fighting Measures

**Flash Pt:** NA

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** > 500.00 F

**Suitable Extinguishing Media:** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Fire Fighting Instructions:** Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire. Evacuate area and fight fire from a safe distance.

**Flammable Properties and Hazards:** Although the FR grades are self extinguishing by a test method, the material can be consumed by fire of sufficient heat and intensity.

**Hazardous Combustion Products:** Hydrogen cyanide, nitrogen oxides, carbon monoxide and other potentially hazards organic fragments resulting from incomplete combustion.

### 6. Accidental Release Measures

**Protective Precautions, Protective Equipment and Emergency Procedures:** Protective garments not normally required.

**Environmental Precautions:** Do not let product enter drains.

**Steps To Be Taken In Case Material Is Released Or Spilled:** Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

**Precautions To Be Taken in Storing:** Store in a cool, dry place. Direct exposure to sunlight will cause color change and surface degradation.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7782-42-5	Graphite	PEL: 532.5 mppm3/15 mppcf	TLV: 2 mg/m <sup>3</sup> (resp. except fibers)	No data.

**Respiratory Equipment (Specify Type):** Respiratory protection is not required. An approved dust mask may be worn if needed.

**Eye Protection:** Eye protection is recommended.

**Protective Gloves:** No data available.

**Other Protective Clothing:** No data available.

**Engineering Controls (Ventilation etc.):** Good general ventilation should be sufficient to control airborne levels. General industrial hygiene practice.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ <input type="checkbox"/> ] Gas    [ <input type="checkbox"/> ] Liquid    [ <input checked="" type="checkbox"/> ] Solid	
<b>Appearance and Odor:</b>	Black syntactic foam. No apparent odor.	
<b>Melting Point:</b>	N.A. - N.A.	
<b>Boiling Point:</b>	No data.	
<b>Flash Pt:</b>	NA	
<b>Evaporation Rate:</b>	No data.	
<b>Flammability (solid, gas):</b>	No data available.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Specific Gravity (Water = 1):</b>	No data.	
<b>Solubility in Water:</b>	No data.	
<b>Solubility Notes:</b>	Insoluble in water.	
<b>Percent Volatile:</b>	No data.	
<b>Autoignition Pt:</b>	> 500.00 F	

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ <input type="checkbox"/> ]    Stable [ <input checked="" type="checkbox"/> ]
<b>Conditions To Avoid - Instability:</b>	No data available.
<b>Incompatibility - Materials To Avoid:</b>	Strong acids and bases. Strong oxidizers.
<b>Hazardous Decomposition or Byproducts:</b>	Depends on temperature, oxygen/air. Hazardous fumes can be generated.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ <input type="checkbox"/> ]    Will not occur [ <input checked="" type="checkbox"/> ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

### 11. Toxicological Information

**Toxicological Information:** Dust may cause eye irritation and corneal injury due to mechanical action.

**Irritation or Corrosion:** Not reported.

**Symptoms related to Toxicological Characteristics:** Not reported.

**Chronic Toxicological Effects:** Not reported.

**Carcinogenicity/Other Information:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Carcinogenicity:** NTP? No    IARC Monographs? No    OSHA Regulated? No

### 12. Ecological Information

**General Ecological Information:** Not classified as environmentally hazardous to fish, plants, birds and aquatic organisms.

**Results of PBT and vPvB assessment:** Not reported.

**Persistence and Degradability:** Not biodegradable. Will break down in direct exposure to sunlight.

**Bioaccumulative Potential:** Molecular weight >1000. not expected to be bioaccumulative.

**Mobility in Soil:** Insoluble in water.

### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not regulated as a hazardous material.  
**DOT Hazard Class:** 7 None  
**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not regulated as a hazardous material.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:**

**UN Number:**

**Hazard Class:** 7 - None

**Packing Group:**

**IMDG MFAG Number:**

**IMDG EMS Page:**

**Marine Pollutant:** No

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Not regulated as a hazardous material.

**15. Regulatory Information**

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7782-42-5	Graphite	No	No	No

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

- Yes  No Explosive
- Yes  No Flammable (gases, aerosols, liquid, or solid)
- Yes  No Oxidizer (liquid, solid or gas)
- Yes  No Self-reactive
- Yes  No Pyrophoric (liquid or solid)
- Yes  No Pyrophoric gas
- Yes  No Self-heating
- Yes  No Organic peroxide
- Yes  No Corrosive to metal
- Yes  No Gas under pressure (compressed gas)
- Yes  No In contact with water emits flammable gas
- Yes  No Combustible Dust
- Yes  No (Physical) Hazard Not Otherwise Classified (HNOC)
- Yes  No Acute toxicity (any route of exposure)
- Yes  No Skin Corrosion or Irritation
- Yes  No Serious eye damage or eye irritation
- Yes  No Respiratory or Skin Sensitization
- Yes  No Germ cell mutagenicity
- Yes  No Carcinogenicity
- Yes  No Reproductive toxicity
- Yes  No Specific target organ toxicity (single or repeated exposure)
- Yes  No Aspiration Hazard
- Yes  No Simple Asphyxiant
- Yes  No (Health) Hazard Not Otherwise Classified (HNOC)

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7782-42-5	Graphite	TSCA: Yes - Inventory; CA PROP.65: No

**16. Other Information**

**Revision Date:** 08/02/2018

**Hazard Rating System:**

HEALTH	0
FLAMMABILITY	1
PHYSICAL	0
PPE	A

**HMIS:**



**Additional Information About This Product:** No data available.

**This Product:**

**Company Policy or Disclaimer:**

This data is subject to revision and changes due to development of and changes to the material. The data is derived from tests and historical usage. The data is averaged data and should be treated as such. Calculations should be verified by actual tests. The data is furnished without liability for the company and does not constitute a warranty or representation in respect to the material or its use. The company reserves the right to

release new data sheets in replacement.