

Safety Data Sheet

Date revised: 06/06/2018
This form is subject to changes

1. IDENTIFICATION OF SUBSTANCE:

Product Name: G6-Impact Filament

Product Number(s): G6-Impact-175

Recommended use of the chemical and restrictions on use: Recommended Use 3D Printing

Manufacturer/Supplier:

Graphene Supermarket

Graphene Laboratories, Inc.

760 Koehler Ave.,

Ronkonkoma, NY11779

info@graphenelab.com

Phone: (516) 382-8649

Fax: (781) 287-1248

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture: Not a hazardous substance or mixture.

Appearance: Monofilament

Physical state: Solid

2.2 GHS Label elements, including precautionary statements: Not a hazardous substance or mixture.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.



P337 + P313 If eye irritation persists: Get medical advice/ attention.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

• After inhalation

No hazards which require special first aid measures. Supply fresh air. If required, provide artificial respiration. Seek medical advice.

• After skin contact

No hazards which require special first aid measures. Immediately wash with water and soap and rinse thoroughly.

After eye contact

No hazards which require special first aid measures. Rinse opened eye for several minutes under running water. Then consult a doctor.

• After swallowing

Never give anything by mouth to an unconscious person. Rinse mouth for several minutes with water. Seek immediate medical advice.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Dust generated in handling this material may present a potential fire and explosion hazard if suspended in air at high concentrations. Settled dust presents a fire hazard. Re-suspension of the dust into the air by vibration, traffic, material handling, etc. in high concentrations in the presence of an ignition source could result in a dust explosion. Graphene is electrically conductive and may cause a short circuit in electrical equipment providing an ignition source. Minimize the generation and accumulation of dust

5.3 Advice for firefighters

Do not enter fire area without full bunker gear, including positive pressure NIOSH self-contained breathing apparatus. Cool fire-exposed containers with water.

5.4 Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

For personal protection see section 8.

6.2 Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Collect spilled material in a manner that minimizes the generation of airborne dust. If a vacuum is used, high-efficiency, explosion proof equipment is required. Non-sparking tools should be used. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air.). Clean up residuals on surfaces with suitable floor detergent/soap cleaner and properly rinse and dry. This precaution will

prevent a slip hazard. Dispose of saturated absorbent or cleaning materials appropriately. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable.

6.4 Reference to other sections. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Provide good ventilation at the workplace. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in cool place away from sources of ignition and oxidizers.

7.3 Specific end use(s)

No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Respiratory Protection (specify type):

Note: No hazards are expected under normal use. Avoid generation of dust particles and fumes.

Control parameters

8.2 Exposure controls

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls.

Engineering controls: If dust is generated during further processing provide exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection When handling hot material, use heat resistant gloves.

Keep away from foodstuffs, beverages and feed.

Do not let product enter drains.

Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Form: Solid
 - Color: Black (Silver/Matte finish)
 - Odor: No data available
 - Change in condition: No data available
 - Melting point/Melting range: 3,652 - 3,697 °C
 - Boiling point/Boiling range: No data available
 - Sublimation temperature / start: No data available
 - Flash point: Not applicable
 - Ignition temperature: No data available
 - Decomposition temperature: No data available
 - Danger of explosion: Product does not present an explosion hazard.
 - Explosion limits: No data available
 - Lower: No data available
 - Upper: No data available
 - Vapor pressure: No data available
 - Density: No data available
 - Solubility in / Miscibility with Water: none
- Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- Breathing equipment:
Use suitable respirator when high concentrations are present.

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity: No

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Avoid heat, sparks, flames and all other sources of ignition.

10.5 Incompatible materials

Strong oxidizing agents,

10.6 Hazardous decomposition products

Other decomposition products - Oxides of carbon

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

- Acute oral toxicity:

Dermal: No data available

No data available

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity: No data available
- 12.2 Persistence and degradability: No data available
- 12.3 Bioaccumulative potential: No data available
- 12.4 Mobility in soil: No data available
- 12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- 12.6 Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

- Product related hazard information:
 - National regulations
TSCA: None of the ingredients is listed.
Clean Air Act: None of the ingredients is listed.
Clean Water Act: None of the ingredients is listed.
 - Information about limitation of use:
For use only by technically qualified individuals.
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15. REGULATORY INFORMATION SARA 302 Components

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Product related hazard information:

- National regulations
CAS# 7782-42-5 is listed on the TSCA

Inventory.California Prop. 65 :
none

16. OTHER INFORMATION



Further information:

HMIS Rating

Health hazard: 0

Flammability: 0

Physical Hazard 0

NFPA Rating

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.