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## **Material Safety Data Sheet**

### A. Product and company identification.

1. Trade Name: PA603
2. Material description: Nylon 6 13% Glass Fiber Reinforced Black
3. Phone number: 1-877-777-4514
4. MSDS number: NY02

### B. Composition:

<u>Ingredients</u>	<u>C.A.S. number</u>	<u>% by weight</u>
Nylon 6	25038-54-4	81-88
Carbon Black Based Colorant	1333-86-4	2
Continuous filament fiberglass	NA	10-16
Caprolactum	105-60-2	0-1

### C. Hazards Identification:

1. Overview: These products are translucent white to off-white or pigmented solid pellets with no significant odor. Spilled material may present a slipping hazard. These products are not classified as combustible dusts; however a combustible concentration of dust may occur if fines are suspended in air. Avoid contact with strong oxidizing agents. Skin contact with pellets can cause irritation due to fiberglass content.
2. These materials can begin to decompose at elevated temperatures, producing fumes that can contain carbon dioxide, carbon monoxide and other organic compounds. Adequate ventilation should be insured to minimize exposure.
3. Potential health effects:
  - a. Eyes: Fine particles of dust may cause mechanical irritation of eyes. Fumes can cause irritation and redness.
  - b. Skin: This material is not known to cause skin irritation or allergic skin reactions.
  - c. Ingestion: Small amounts are not known to cause injury if swallowed.
  - d. Inhalation: This material is not expected to be inhaled in pellet form. Fine particles of dust may cause mechanical irritation to respiratory tract. Inhalation of fumes may cause irritation.
  - e. Contact with molten material: Molten material can cause burns.

### D. First aid measures:

1. Eyes: Flush with water for at least 15 minutes to remove dust. If fumes irritate eyes, remove to fresh air. Get medical attention if irritation persists.
2. Skin: Wash with soap and water.
3. Ingestion: Seek medical attention for large amounts. Small amounts are not expected to be harmful.
4. Inhalation: If fumes cause irritation, remove to fresh air. Get medical attention if irritation persists.
5. Contact with molten material: Cool under cool water. Do not forcible remove material from skin. Seek medical attention.

### E. Fire and explosion information:



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1. Auto-ignition: NA
2. Flash point: NA
3. Lower flammability limit: NA
4. Upper flammability limit: NA
5. Explosion data: Combustible concentration of dust can form.
6. Fire fighting: Wear self contained breathing apparatus.
7. Extinguishing media: carbon dioxide, dry chemical, foam, water.
8. Hazardous combustion products: Carbon monoxide, carbon dioxide, simple hydrocarbons, aldehydes, ketones, inorganic oxides, carboxylic acids, and trace amounts of hydrogen cyanide.

F. Handling and storage:

1. Spill measures: Sweep or vacuum material for disposal.
2. Storage guidelines: Do not store near strong mineral acids. Store in areas protected by automatic sprinklers. Store in temperatures below 140 F.

G. Stability and reactivity:

1. Stability: stable
2. Reactivity: strong mineral acids
3. Conditions to avoid: Do not store near strong mineral acids.

H. Physical and chemical properties:

1. Specific gravity: 1.26-1.50
2. Odor: Possibly a slight organic odor.
3. Form: Pellet.
4. Vapor pressure: NA
5. Solubility in water: Negligible.
6. pH: NA
7. Melting point: 215 C (420 C)
8. Evaporation rate: NA

I. Waste disposal methods:

1. Users must comply with federal, state and local disposal laws when material is discarded.

Disclaimer:

The information contained herein relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief to be accurate. No warranty or guarantee is made to its accuracy and completeness. It is the user's responsibility to satisfy himself as to the suitability of such information pertaining to his own particular use.