



### Section 1. Identification

Product Name: Zenith

Synonyms: None

CAS Number: None

Product Use: A polymer filament that can be used in 3D printer applications.

Manufacturer: Breathe-3DP, LLC  
Address: 14570 Industrial Park Road, Suite E, Bristol, VA 24202

General Information: Call (844) 810-1385

### Section 2. Hazards Identification

Classification of the product: No need for classification according to GHS Regulation (EC) 1272/2008 for this product.

Label elements: The product does not require a hazard warning label in accordance with GHS criteria.

### Section 3. Composition / information on ingredients

This product contains a proprietary blend of components encapsulated within a polymer matrix. The specific chemical identity of this product is withheld because it is trade secret information of Breathe-3DP, LLC.

### Section 4. First Aid Measures

Inhalation: Move to fresh air. Get immediate medical attention.

Skin contact: No adverse effects are expected from accidental skin contact. If persistent skin irritation occurs, call a physician. If skin contact with hot polymer occurs, cool the skin rapidly with cold water. Do not attempt to remove hot polymer from the skin

as the skin maybe easily damaged. Get medical attention if significant burns occur.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes, including under the eye lids. Get immediate medication attention.

Ingestion: Drink water as a precaution. Do not induce vomiting without medical advice. Get immediate medical attention.

### Section 5. Fire Fighting Measures

Suitable extinguishing media: Carbon dioxide (CO<sub>2</sub>), water, sand

Fire fighting procedures: Firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

Hazardous combustion products: Thermal decomposition products: Not available  
Hazardous combustion products: CO<sub>2</sub>, CO

Unusual fire and explosion hazards: This product does not have unusual fire and explosion hazards.

### Section 6. Accidental Release Measures

Personal precautions: Stop the leak if you can do it without risk. Isolate the exposed area and keep unauthorized personnel away. Use certificated protective equipment and ventilate the leaked area

Environmental precautions: Do not flush into surface or sanitary sewer systems. Do not allow material to contaminate ground water system.

Methods for cleaning up: Clean up promptly by scoop or vacuum. Sweep up and shovel in to suitable containers for disposal.

### Section 7. Handling and Storage

Handling: Avoid contact with molten material

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures

Storage: Store in a cool, dry, well ventilated storage area and closed container. Avoid excessive heat and sources of ignition. Protect from moisture and sunlight. Keep away from waterways and sewers.

### Section 8. Exposure Controls / Personal Protection

Exposure limits: None applicable

Engineering Controls: Use local exhaust ventilation and good general extraction.

Respiratory protection: Not required under normal process conditions and with adequate ventilation. However, should conditions exist that require respiratory protection, a NIOSH approved respirator should be worn.

Eye protection: Safety glasses with side-shields or goggles.

Body protection: When material is heated, wear gloves to protect against burns

### Section 9. Physical and Chemical Properties

Appearance: Solid filament at ambient temperature  
Odor: No significant odor  
Boiling point: Not measured  
Melting point: Not applicable  
Decomposition temperature: Not available  
Vapor pressure: No data available  
Vapor density: No data available  
Solubility in water: Insoluble  
Density: 1.27 g/cm<sup>3</sup>  
Auto ignition temperature: 454 °C  
pH: Not applicable

### Section 10. Stability and Reactivity

Chemical stability: Stable



Conditions to avoid: Avoid contact with incompatible materials. Avoid release to the environment.

### **Section 11. Toxicological Information**

No data available.

### **Section 12. Ecological Information**

Ecotoxicity: No information available.  
Persistence and degradability: No information available.  
Bioaccumulative potential: No information available.

### **Section 13. Disposal Considerations**

Dispose of this product in accordance with local, state and federal regulations.

### **Section 14. Transport Information**

U.S. Department of Transportation (DOT): This product is not regulated for transport.

### **Section 15. Regulatory Information**

U.S. Toxic Substances Control Act (TSCA): All the component(s) comprising this product are either exempt or listed on the TSCA inventory.

### **Section 16. Other Information**

Revision Indicator: SDS Revision # 1 / Issued 05/04/2017

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