

**Safety Data Sheet for TierTime ABS&ABS+**

1/1/2023

1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name	TierTime ABS Filament, ABS+ Filament
Region	China
Company Name	Beijing TierTime Technology Co., Ltd.
Product type	Plastic Filament
Restriction of use	None identified
Company Name	Beijing TierTime Technology Co., Ltd. No.2 South First Street, Yanqi Economic Development Area Huairou District, Beijing 101407 P. R. China Tel: +86 10-69667183 Fax: +86 10-51662221-805 E-mail: overseas@tiertime.com

2. HAZARDS IDENTIFICATION	
Most Important Hazards	None
Adverse Human Health Effects	None
Environmental Effects	None
Physical and Chemical Hazards	None

3. COMPOSITION/INFORMATION ON INGREDIENTS	
Substance or Preparation	Substance
Chemical Name	Acrylonitrile-Butadiene-Styrene Copolymer
Content	> 99 % (Additives < 1 %)
Formula	(C ₃ H ₃ N, C ₄ H ₆ , C ₈ H ₈) _x
CAS No.	9003-56-9
Impurities Contributing to Hazard	None

4. FIRST AID MEASURES	
Inhalation	In case of gases evolving from melted resin, move subject to fresh air.



	Treat symptomatically.
Skin Contact	In case of pellets or powder, wash with water. In case of melt, wash affected skin area and clothing with plenty of (soap and) water. Seek medical advice.
Eye Contact	In case of pellets or powder, flush with plenty of water for at least 15 minutes. Seek medical advice if any dust particles still remain. In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary.
Ingestion	Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	Water, foam, and dry chemical powder
Special Fire-Fighting Procedure	Self contained breathing apparatus
Fire and Explosion Hazards	None

6. ACCIDENTAL RELEASE MEASURES

Methods for Cleaning up	Recovery if not contaminated or disposal
Recovery if not contaminated or Disposal	Pellets or powder remained on ground may cause slipping
Environmental Precautions	Gather pellets and powder thoroughly to avoid birds or fishes taking from draining water.

7. HANDLING AND STORAGE

Handling	Prevent from fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.
Storage	Keep the materials at a cool dry place. Protect from direct sunlight, rain and violent temperature fluctuation. Fire is inhibited around storage area.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Filament
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Physical state	Solid
Odor:	None
Melting Temperature	Softening above 100°C
Solubility	Insoluble in water
Specific Gravity	1.03 ~ 1.10

9. STABILITY AND REACTIVITY

Flammability	Yes
Flash Point	404°C
Auto-ignition Temperature	466°C
Reactivity with Water	No
Stability	Stable and non-reactive under normal handling and storage condition.
Thermal Decomposition Gases	CO, HCN, AN, SM and NO
Combustion Energy	3.53 x 10 ⁷ J/kg (8424 Kcal/kg)

10. TOXICOLOGICAL INFORMATION

Irritation	Fumes or vapors generated from decomposing resin may be irritant to eyes.
Acute oral toxicity (LD50)	Not determined
Mutagenicity	Not determined

11. ECOLOGICAL INFORMATION

To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

12. DISPOSAL CONSIDERATIONS

Controlled incineration or landfill according to local, state or national laws and regulations concerning health and pollution.

Inadequate incineration may generate toxic gases such as CO, HCN, AN and SM.

13. TRANSPORT INFORMATION

Not classified

14. REGULATORY INFORMATION



TierTime Corporation

Not available

15. OTHER INFORMATION

None
