

Material Safety Data Sheet

1. Company identification

1.1 Company: **Fabbxible Technology**

1.2 Address: **11A, Jln. IKS Bukit Tengah, Tmn. IKS Bukit Tengah, 14000 Bukit Mertajam, Pulau Pinang, Malaysia.**

1.3 Tel: **+6017-414 7563**

2. Substance identification

2.1 Trade Name: ABS

2.2 Components: Polymer-blend based on Acrylonitrile-Butadiene-Styrene Copolymer (ABS, more than 98%), contains some additives.

2.3 CAS No: 9003-56-9

2.4 Additional information: no harmful ingredients.

3. Hazard identification

3.1 Most Important Hazards None

3.2 Adverse Human Health Effects None

3.3 Environmental Effects None

3.4 Physical and Chemical Hazards 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, 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

Personal Precautions 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

Melting Temperature Softening above 100°C

Solubility Insoluble in water

Specific Gravity 1.03

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.
Dust Explosion	Possible if powder exists. Explosion data for powder (< 145 mesh) Lower explosion limit 45 g/m ³ Minimum ignition energy 3.6 mJ Maximum explosion pressure 7 ×10 ⁵ Pa Maximum pressure increase rate 3.2 ×10 ⁷ Pa/S
Thermal Decomposition Gases	CO, HCN, AN, SM and NO
Combustion Energy	3.53 ×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. Regulatory information

Not available.

14. Other information

Please call to (60)17 414 7563 or visit to our website: www.fabbxible.com

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End of data sheet