



Safety Data Sheet

According to EU Regulation 453/2010(SDS), this MSDS is prepared

Product name: M-ABS 3D Platform Filament

Date of issue: 27 April 2015

Version: 1.0

1. Identification of the substance/preparation and of the company

1.1 Trade name: M-ABS 3D Platform Filament

1.2 Use of the product: Poly methyl methacrylate based copolymer blend, enhanced for the extrusion of 3D printer filaments.

1.3 Supplier: 3D Platform
6402 E. Rockton Road, Roscoe, Illinois, 61073 United States
www.3dplatform.com
marketing@3dplatform.com
+1.779.771.0000

2. Hazards identification

2.1 Classification: No classification according to Regulation 1272/2008/EEC.

2.2 Special advice on hazards: Danger of burns in contact with hot polymer and hazardous vapors in case of burning.

3. Composition / information on ingredients

3.1 Chemical characteristics: Poly methyl methacrylate based copolymer blend.

3.2 CAS no: 9011-14-7, 9003-56-9

3.3 Additional information: Under the EU REACH regulation, the monomers in CAS no. 9011-14-7 and CAS no. 9003-56-9 are (pre)registered.

4. First-aid measures

4.1 On skin contact: In case of contact with molten polymer immediately cool the skin with cold water. Medical aid may be required to remove adhering material and for treatment of burns.

4.2 After inhalation: After inhalation of decomposition gases or dust remove patient to fresh air. Contact a doctor.

4.3 On ingestion: No effects known. Rinse mouth with water and drink more water. Contact a doctor.

4.4 On eyes contact: Rinse open eyes thoroughly with water. Contact a doctor.

5. Fire-fighting measures

5.1 Suitable fire extinguishing media: Water, CO₂, water and sand.

5.2 Special exposure hazards: During incomplete combustion release of carbon monoxide, carbon dioxide and hydrocarbons.

5.3 Special protective equipment: Self-contained breathing apparatus.

5.4 Remark: Accumulations of dust can be inflammable.



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6. Accidental release measures

- 6.1 Personal precautions: Use suitable protective clothing. Avoid eye contact and inhalation of dusts. Keep ignition sources away.
- 6.2 Methods for cleaning up: Sweep up material and place in a container, risk of slipping. Avoid ingress of material into drainage systems.

7. Handling and storage

- 7.1 Handling: Avoid contact with molten polymer. Avoid generation of dust and electrostatic charge.
- 7.2 Storage: Protect against moisture. Store cool and keep packaging closed when not in use. Avoid sources of ignition.

8. Exposure controls/ personal protection

- 8.1 Technical safety measures: With suitable ventilation the threshold limits assumedly will not be reached. Avoid electrostatic charge by use of grounding cables.
- 8.2 Personal safety equipment: Use adequate safety equipment, e.g. protective clothing, eye protection glasses, heat protection gloves. In case of dust formation wear mask with particle filter.
- 8.3 Workhygiene: No eating or drinking during working. Avoid contact of hot material with the skin. Avoid breathing dust and vapors.

9. Physical and chemical properties

- 9.1 Form: Granules
- 9.2 Color: Natural
- 9.3 Odor: Almost odorless
- 9.4 Meltingpoint: 200°C – 220°C
- 9.5 Oxidizing properties: Not applicable
- 9.6 Explosions limits: Not applicable
- 9.7 Density: 1.06 g/cm³
- 9.8 Solubility in water: Insoluble in water

10. Stability and reactivity

- 10.1 Stability: The product is stable at recommended storage conditions.
- 10.2 Conditions to be avoided: Avoid fire and heating above 60°C.
- 10.3 Incompatible materials: None known.
- 10.4 Hazardous decomposition products: Not applicable.



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11. Toxicological information

11.1 Information on toxicological effects: Not available.

11.2 Other remarks:

12. Ecological information

12.1 Ecological/toxicological effects: Not available.

12.2 Bioaccumulation: Plastics should not be disposed in water environments.

13. Disposal considerations

13.1 Product: Generation of waste should be minimized, check possibility for recycling. Waste product can be incinerated or dumped together with domestic waste in compliance with local authority requirements.

13.2 Packaging: Packaging material has to be emptied completely and disposed in accordance with the regulations. Packaging can be recycled if not contaminated.

14. Transport information

14.1 Transport regulations: Not classified as hazardous under transport regulations
ADR, ADN, RID, ICAO/IATA, IMDG/GGVSee, ICAO/IATA

15. Regulatory information

15.1 EU regulations:

SVHC List, EU Authorization List and EU Restriction list: Not Regulated.

16. Other information

This data is based on the current state of our information and experience.
This safety data sheet describes our product in terms of safety requirements.
Preceding data is not applicable as a warranty of product properties.
It is the responsibility of the recipient to observe the existing legal regulations for the use of this product.