



# Safety Data Sheet

## Filalab PLA

According to EU Directive 1907/2006

### **Product and Company information:**

Product name: PLA filament

Company name: filalab, UAB

ID number: 304045825

Adress: Kauno g. 32, Vilnius, Lithuania

Number: +370 616 36902

Email: info@filalab.lt

### **Hazard identification:**

Classification: No need for classification according to GHS criteria for this product (according to Regulation (EC) No. 1272/2008 [CPL]).

Label elements: According to Regulation (EC) No. 1272/2008 (CLP) this product does not require a hazard warning label in accordance with GHS criteria.

### **Composition / information on ingredients:**

Chemical characteristics: Biodegradable batch based on PLA, contains copolyester and additives.

Additional information: no harmful ingredients



### **First-aid measures:**

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.

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

On ingestion: No effects known. Rinse mouth with water and drink more water. Contact a doctor in case of discomfort.

On eyes contact: In case Of material dust get in to the eye, rinse open eyes thoroughly with water.

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### **Fire-fighting measures:**

Suitable fire extinguishing media: Water, dry chemical extinguisher, foam, carbon dioxide.

Special exposure hazards: During incomplete combustion release of carbon monoxide, tetrahydrofurane, acetic acid and decomposition products possible.

Special protective equipment: Self-contained breathing apparatus.

Remark: Accumulations of dust can be inflammable.

### **Accidental release measures:**

Personal precautions: Use suitable protective clothing. Avoid eye contact and inhalation of dusts. Keep ignition sources away.

Methods for cleaning up: Sweep up material and place in a container, risk of slipping. Avoid ingress of material into drainage systems.



### **Handling and storage:**

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

### **Exposure controls / personal protection:**

**Technical safety measures:** With suitable ventilation the threshold limits assumably will not be reached. Avoid electrostatic charge by use of grounding cables.  
**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.

### **Work hygiene:**

Avoid contact of hot material with the skin. Avoid breathing dust and vapours.

### **Physical and chemical properties:**

**Form:** Round filament.  
**Odour:** None or slightly odour  
**Density:** 1,25 g/cm<sup>3</sup>  
**Melting range:** > 155 °C  
**Solubility in water:** insoluble  
**Oxidising properties:** not self igniting

### **Stability and reactivity:**

**Stability:** The product is stable at recommended storage conditions.  
**Conditions to be avoided:** Avoid exposure to extreme heat and all sources of ignition. Thermal decomposition > 240 °C.  
**Substances to be avoided:** Strong oxidizing agents.  
**Hazardous decomposition products:** Carbon monoxide, carbon dioxide, aldehydes, acetic acid, tetrahydrofuran, low molecular weight oligomers.



### **Toxicological information:**

Local irritation: Dust can cause irritation of eyes, respiratory organs and skin. After ingestion stomach pain or nausea are possible.

Other remarks: Based on our state of knowledge and experience no injurious health effects are expected if product is properly handled for the designated use.

### **Ecological information:**

Ecotoxicological effects: No negative ecological effects known at the present state of knowledge, test results are not available. Due to insolubility in water most probably not hazardous to aquatic organisms.

Biological degradation: Product is biodegradable.

Bioaccumulation: Due to its consistency and insolubility in water biological accumulation is not expected.

### **Disposal considerations:**

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

### **Transport information:**

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

### **Regulatory information:**

EU regulations: This product does not require a hazard warning label in accordance with EC Directives. 'nwg', no risk of water pollution (classification acc. Att. 1 of VwVwS)