



Safety Data Sheet PLA filament

according to EU Directive 1907/2006

Product and Company information:

Product name: PLA filament
Company name: filalab, UAB
ID number: 304045825
Address: Kauno g. 32, Vilnius, Lithuania
Number:
Email:

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.

Fire-fighting measures:

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

Special exposure hazards: During incomplete combustion release of carbon monoxide, tetrahydrofuran, 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.
Oudour: None or slightly oudour
Density: 1,25 g/cm³
Melting range: > 155 °C
Solubility in water: insoluble
Oxidising properties: not self igniting

Stabillity and reactivity:

Stabillity: The product is stable at recommended storage contidions.
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, tetrahydrofurane, 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:

Ecotoxical 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)