**Safety Data Sheet**

**PET-G filament**

According to European Regulation (EU) No 453/2010 (REACH)

Product and Company information:

Product name: PET-G filament

Company name: filalab, UAB

ID number: 304045825

Adress: Kauno g. 32, Vilnius, Lithuania

Number:

Email:

Hazard identification:

GHS classification of the substance/mixture:

Not classified

GHS label elements, including precautionary statements:

Pictogram and symbol : Not applicable

Signal word : Not applicable

Hazard statements : Not applicable

Precautionary statements

Precaution : Not applicable

Treatment : Not applicable

Storage : Not applicable

Disposal : Not applicable

Other hazard information not included in hazard classification (NFPA) Health : Not available

Flammability : Not available

Reactivity : Not available

Composition / information on ingredients:

Chemical Name - copolyester

Common Name (Synonyms) - PETG

CAS number - 25038-91-9

EC number - 607-509-2

Content (%) - 100

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First-aid measures:

Eye contact

* Seek medical attention if eye symptoms occur.
* In case of contact with molten substance, immediately flush eyes with water for at least 15 minutes. Seek medical attention immediately.

Skin contact

 - Remove and isolate contaminated clothing and shoes.

 - Seek medical attention if skin syptoms occur.

 - If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.

 - Wash contaminated clothing and shoes before reuse.

Inhalation : Not available

Ingestion

* Get medical attention if substance is ingested.

Fire-fighting measures:

Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media: CO2, water, sand

Specific hazards arising from the chemical

- Thermal decomposition products: Not available

- Hazardous combustion products: CO2, CO

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- Unusual fire and explosion hazards : No explosion hazards.

Special protective equipment and precautions for fire-fighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Accidental release measures:

Personal precautions, protective equipment and emergency procedures:

- Stop leak if it can be done without risk.

- Isolate exposed area.

- Exclude unauthorised personnel.

- Use certified protective equipment.

- Ventilate the leaked area.

- Do not touch or walk through spilled material.

Environmental precautions and protective procedures:

* Prevent entry into waterways, sewers, basements or confined areas.

The methods of purification and removal

* Use sweeping brush or vacuum cleaner.

Handling and storage:

Precautions for safe handling

- Avoid contact with molten material.

- Use general dilution ventilation and /or local exhaust ventilation to control airborne exposures.

- Prevention of Fire and Explosion: Not available.

Conditions for safe storage

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- Store container in a well dry/cool place.

- Keep away from water ways and sewers.

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- Keep away from any source of ignition.

Exposure controls / personal protection:

Occupational Exposure limits

ACGIH regulation : Not applicable

Biological exposure index : Not applicable

OSHA regulation : Not applicable

NIOSH regulation : Not applicable

EU regulation : Not applicable

Other : Not applicable

Appropriate engineering controls:

- Provide local exhaust ventilation system or other engineering controls to keep any airborne contamination below the respective threshold limit value.

- Check legal suitability of exposure level.

Personal protective equipment Respiratory Protection:

- Wear NIOSH approved full or half face piece (with goggles) respiratory protective equipment when necessary.

Eye protection

- An eye wash unit and safety shower station should be available nearby work place.

- Wear safety glasses to protect eyes when working with molten material..

Hand protection

- It is a good industrial hygiene practice to minimize skin contact.

- When material is heated, wear gloves to protect against thermal burns.

Body protection

- It is a good industrial hygiene practice to minimize skin contact. When material is heated, Wear gloves to protect against thermal burns.

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

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Physical and chemical properties:

Description : Colorless solid (pellets)

Odor : Slight odor

Odor threshold : Not applicable

pH : Not applicable

Melting point/freezing point : Not applicable

Initial boiling point and boiling range : Not applicable

Flash point : Not available

Evaporation rate : Not available

Flammability (solid, gas) : Not available

Upper/lower flammability or explosive limits : Not available

Vapor pressure : Negligible (20°C)

Solubility (ies) : Negligible

Vapor density : Not available

Specific gravity : > 1(density: 1.27g/ml (25 °C))

Partition coefficient: n-octanol/water : Not available

Auto ignition temperature : 454 °C (ASTM E659)

Decomposition temperature : Not available

Viscosity : Not available

Molecular weight : Not available

Stabillity and reactivity:

Chemical stability : Stable

Possibility of hazardous reactions: None Known

Conditions to avoid: None Known

Incompatible materials: Not available

Hazardous decomposition products: Not available

Toxicological information:

Information of health Hazardous:

Acute toxicity

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Oral : None known

Dermal : Not available

Inhalation : Not available

Skin corrosion/ irritation : Molten material will produce thermal burns

Serious eye damage/ irritation : Molten material will produce thermal burns Respiratory sensitization : Not available

Skin sensitization : Not available

Carcinogenicity : Not classified

IARC, NTP, OSHA, ACGIH, EU Regulation 1272/2008: Not listed

Mutagenicity : Not available

Specific target organ toxicity (single exposure) : Not available

Specific target organ toxicity (repeat exposure) : Not available

Aspiration Hazard : Not available

Ecological information:

Ecological toxicity

- Acute toxicity : Not available

- Chronic toxicity : Not available

Fish : Not available

crustacean : Not available

Algae : Not available

Persistence and degradability Persistence : Not available

Degradability : Not available

Bioaccumulative potential Bioaccumulation : Not available

Biodegradation : Not available

Mobility in soil : Not available

Other hazardous effect : Not available

Disposal considerations:

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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:

UN Number : Not regulated as a hazardous material.

UN Proper shipping name : Not applicable

Transport Hazard class : Not applicable

Packing group : Not applicable

Marine pollutant : Not applicable

Special precautions

in case of fire : Not applicable

in case of leakage : Not applicable

Regulatory information:

US Regulatory information

U.S.A management information (OSHA Regulation) : Not regulated

U.S.A management information (CERCLA Regulation) : Not regulated

U.S.A management information (EPCRA 302 Regulation) : Not regulated

U.S.A management information (EPCRA 304 Regulation) : Not regulated

U.S.A management information (EPCRA 313 Regulation) : Not regulated

External information

EU classification (classification) : Not regulated

EU classification (risk phrases) : Not regulated

EU classification (safety phrases) : Not regulated

EU SVHC list : Not regulated

EU Authorisation List : Not regulated

EU Restriction list : Not regulated

Persistent Organic Pollutants Acts : Not regulated

Substance of Rotterdam Protocol : Not regulated

Substance of Stockholm Protocol : Not regulated

Substance of Montreal Protocol : Not regulated

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This SDS is authored in pursuant to the Article 41 of the Occupational Safety and Health Act. The content is based on the latest information and knowledge that we currently possess.

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