

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

- 1.1 Trade names:** LAYFILAMENTS:
LAYaWay series: LAY-a-PVA
- 1.2 Use of the product:** 3D printing filament / temporarily support material
- 1.3 Supplier:** CC – PRODUCTS; Auenweg 173 / 10; 51063 Köln . Germany ;
kp@cc-products.de; Emergency phone number: +49-221-510 47 53

2. Hazards identification

- 2.1 Classification:** Not dangerous according to Directive 67/548/EEC
- 2.2 Special advice on hazards:** Danger of burns in contact with hot polymer. Hazardous vapours in case of burning.

3. Composition / information on ingredients

Chemical characteristics: Polymerblend on base of following thermoplastics;
PVOH – PolyvinylAlcohol

Additional information: no harmful ingredients

4. 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.
- On ingestion:** Rinse mouth with water.
- On eyes contact:** Rinse open eyes thoroughly with water.

5. Fire-fighting measures

- 5.1 Suitable fire extinguishing media** water ,dry chemical extinguisher, foam, carbon dioxide
- 5.2 Special exposure hazards:** During incomplete combustion release of carbon monoxide, tetrahydrofurane and decomposition products possible.

6. Accidental release measures

- 6.2 Methods for cleaning up:** Sweep up material.

7. Handling and storage

- 7.1 Handling:** Avoid contact with molten polymer.
- 7.2 Storage:** Protect against moisture. Store dry.

8. Exposure controls/ personal protection

- Personal safety equipment:** Use adequate safety equipment, eye protection glasses, hand gloves.
- Work hygiene:** No eating or drinking during working. Avoid contact of hot material with skin.

9. Physical and chemical properties

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| Form: | mono filament |
| Colour: | white |
| Odour: | almost odourless |
| Solubility in water | partly soluble in cold water |

10. Stability and reactivity

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| Stability: | The product is stable at recommended storage conditions. Avoid exposure to extreme heat. Thermal decomposition > 230°C. Store dry. |
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11. Toxicological information

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

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| Ecotoxic effects: | No negative ecological effects known at the present state of knowledge, test results are not available. |
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13. Disposal considerations

Small amounts can be incinerated or dumped together with domestic waste (in compliance with local authority requirements).

14. Transport information

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

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| EU regulations: | This product does not require a hazard warning label in accordance with EC Directives. |
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| Water exposure class (Germany): | no risk of water pollution (classification acc. Att. 1 of VwVwS) |
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16. Other information

contains no heavy metal, RoHS