



# MATERIAL SAFETY DATA SHEET

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Safety Data Sheet of 3DLogic PLA Stock according to Regulation WE 1907/2006 (REACH)

## 1. PRODUCT & COMPANY IDENTIFICATION

- **Product name** – PLA EVO
- **Manufacturer**– Fibermatic sp. Z o.o.
- **Mail:** [office@3dlogic.pl](mailto:office@3dlogic.pl)
- **Website:** [www.3dlogic.pl](http://www.3dlogic.pl)
- **Application** – filament for 3D printing

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Not classified as hazardous in compliance according to Regulation (EC) No 1272/2008

### 2.2. Label elements

Not classified as hazardous in compliance according to Regulation (EC) No 1272/2008

### 2.3. Other hazards

Material does not contain vPvB and/or PBT substances.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances** – not applicable

### 3.2. Mixtures

Product made of polylactide with added dyes.

## 4. FIRST AID MEASURES

### *Skin contact*

Cool skin rapidly with cold water after contact with molten polymer. Do not peel polymer from skin. Obtain medical attention.

### *Ingestion*

Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur and show this MSDS and the correspondent TDS.

### *Eye contact*

Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if symptoms occur.

### *Inhalation*

Move exposed person to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Consult a physician after significant exposure.

## **5. FIRE -FIGHTING MEASURES**

**5.1. extinguishing media** : water, spray, foam, dry powder, carbon dioxide  
Unsuitable extinguishing media: water jet.

### **5.2. hazards arising from the substance or mixture**

Dangerous decomposition products can be formed (e.g carbon, monoxide, carbon dioxide, nitrogen oxides, organic decomposition products).

### **5.3. advice for fire – fighters**

Provide/wear a protective breathing apparatus. Wear suitable protective clothing. Do not use water, if fire is caused by an electrical short circuit.

Further information; the degree of risk is determined by the burning substance and the fire conditions. In the case of combustion evolution of toxic gases/vapors is possible. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures.**

Sources of ignition should be kept well clear. Avoid contact with the skin and eyes. Avoid inhalation of dust and vapors. If necessary, wear dust masks and safety glasses.

### **6.2. Environmental precautions**

Should not be released into the environment.

### **6.3. Methods and material for containment and cleaning up**

Sweep/shovel up. Avoid raising dust. Ensure adequate ventilation. Dispose of absorber material in accordance with regulations.

### **6.4 reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 13.

## **7.**

### **HANDLING AND STORAGE**

### 7.1 Precautions for safe handling

Processing machines must be placed in room with good ventilation. Avoid the formation and deposition of dust. Handle in accordance with good industrial hygiene and safety practice. Users should be protected from the possibility of contact with molten material.

### 7.2. Conditions for safe storage. Including any incompatibilities.

Make use of general rules of fire prevention. Take measures to prevent electrostatic charging. Avoid all sources of ignition: heat, sparks, open flame. Well closed/packed, cool and dry. Optimal storage temperature 15-25 C. Protect against moisture and heat. Contamination with other substances must be avoided. Storage together with hazardous substances must be avoided.

### 7.3. Specific end uses

There is't

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

The product doesn't contain any relevant quantities of materials with occupational exposure limits.

### 8.2 Exposure controls

*Body and hand protection* – body protection must be chosen depending on activity and possible exposure, use additional heat protection gloves when handling hot molten masses (EN 407)

*Respiratory protection* – breathing protection if dusts are formed. Particle filter (type P1)

*EYE protection* – safety glasses with side-shields (frame goggles) EN 166

*General safety and hygiene measures* – Avoid contact of molten material with skin. Avoid inhalation of dusts/mists/vapors. Eye wash fountains and safety showers must be easily accessible. Handle in accordance with good industrial hygiene and safety practice. Hands and/or face should be washed before breaks and at the end of the shift. Do not eat, drink or smoke at work. Consult the company industrial hygienist for recommendations on exposure testing and personal protective equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

State of aggregation:	solid
smell :	no smell
flammability of the material	not flammable
apparent density:	1,22 g/cm <sup>3</sup>
solubility in water :	insoluble

### 9.2 Other information

none

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

The product is stable if stored and handled as prescribed/indicated.

#### **10.2 Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

#### **10.3 Possibility of hazardous reactions**

The product is stable if stored and handled as prescribed/indicated.

#### **10.4 Conditions to avoid**

Avoid all sources of ignition: heat, sparks, open flame. Protect from moisture, direct sunlight and/or heat. Avoid dust formation.

#### **10.5 Incompatible materials**

Strong oxidizing and reducing agents, strong acids and bases.

#### **10.6 hazardous decomposition products**

At prolonged and/or strong thermal stressing above the decomposition temperature dangerous decomposition products can be formed ( carbon, monoxide, carbon dioxide, nitrogen oxides, organic decomposition products)

### **11. TOXICOLOGICAL INFORMATION**

#### **11.1 Information on the likely routes of exposure**

They are known neither – nor long-term toxicological effects.

### **12. ECOLOGICAL INFORMATION**

#### **12.1 Toxicity**

No data available

#### **12.2 persistence and degradability**

No data available

#### **12.3 bioaccumulative potential**

No data available

#### **12.4 mobility in soil**

No data available

#### **12.5 results of PBT and vPvB assessment**

No data available

#### **12.6 other adverse effects**

There are know no harmful effects

### **13. DISPOSAL CONSIDERATIONS**

#### **13.1. Waste treatment methods**

Preffered way of disposal is recycling. If compilant with local regulation product can be landfilled or incinerated.

### **14. TRANSPORT INFORMATION**

Not classified as a dangerous good under transport regulations (ADR, RID, ADN,IMDG,ICAO, IATA)

### **15. REGULATORY INFORMATION**

#### **15.1 safety, health and environmental regulations legislation specific for the substance or mixture.**

Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP)

### **16. OTHER INFORMATION**

The information is provided as way of a guide to the use of our product and is correct to the best of our knowledge. However neither Fibermatic sp. z o.o. nor its susidiares can offer any guarantee as to its accuracy or exhaustiveness. All chemicals may present unforeseen risks and should be used with caution. We cannot guwarantee that the risks reffered to above are the only risks present. The final choice of the application of product is this the sole responsibility of the user.