

# SAFETY DATA SHEET

According to EC 2020/878 (REACH) and 1272/2008 (CLP)

Last update: January 25, 2025

# Buddy3D

## 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

### 1.1 PRODUCT IDENTIFIER

**Product name:** Buddy3D PET-G

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

**Intended use:** FDM 3D printing material

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Supplier:**

Noctuo Sp. zo.o.  
ul. Sowińskiego 5  
44-121 Gliwice, Polska

**Manufacturer:**

Noctuo Sp. zo.o.  
ul. Sowińskiego 5  
44-121 Gliwice, Polska

### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency telephone:** +48 575 500 668

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**Product definition:** Mixture

Classification according to Regulation (EC) No. 1272/2008

Since the potentially hazardous ingredients, if any, are bound in the polymer matrix, the product is unlikely to pose a risk to health and the environment.

## 2.2 LABEL ELEMENTS

The product does not require labelling according to GHS criteria in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council.

**Hazard pictograms:** Not applicable.  
**Signal word:** Not applicable.

**Hazard statement:** Not applicable.

## 2.3 OTHER HAZARDS

According to Annex XIII, the substance does not meet the PBT or vPvB criteria.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

## 3.1 SUBSTANCE

## 3.2 PREPARATION

Chemical name	Impurities Contributing to Hazard
copolyester	Not classified

# 4. FIRST AID MEASURES

## 4.1 DESCRIPTION OF FIRST AID MEASURES

### General notes:

Special measures are not necessary.

**Following eye contact::** Flush with plenty of water for at least 15 minutes. Remove contact lenses. Seek medical advice if necessary.

**Following skin contact:** In the event of a burn caused by melted product, cool the burnt area immediately, preferably under running water. DO NOT remove the material from the skin. Removal may cause serious tissue damage. Seek medical advice.

**Following inhalation:** A person exposed to inhalation of volatile compounds of decomposition should be removed from the contaminated atmosphere,

provided with a supply of fresh air, protected from heat loss; seek medical advice if necessary.

**Following ingestion:**

Preventive - rinse mouth with water and drink plenty of water. Do not induce vomiting! Consult a doctor.

**4.2 MOST IMPORTANT SYMPTOMS & EFFECTS BOTH ACUTE & DELAYED**

No data available.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

No data available.

**5. FIRE - FIGHTING MEASURES**

**5.1 EXTINGUISHING MEDIA**

**Suitable extinguishing agents:** Water, carbon dioxide (CO<sub>2</sub>), sand.

**Unsuitable extinguishing agents:** High-pressure water stream.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**

Hazardous decomposition products: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

**5.3 ADVICE FOR FIREFIGHTERS**

Wear a positive-pressure self-contained breathing apparatus (SCBA). Structured protective clothing for firefighters will provide only limited protection.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES**

Use the required personal protective equipment. Avoid contamination of the skin and eyes. Avoid dust formation. Remove all sources of ignition. Sweep, preventing danger of slipping. Keep unauthorized personnel away. Use certified protective equipment.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Do not flush into surface water or sanitary sewer system. Do not allow release into surface water or sanitary sewer system.

### **6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Do not touch or walk on the spilled material.

### **6.4 REFERENCE TO OTHER SECTIONS**

For information on safe handling, see Section 7.

For information on personal protective equipment, see Section 8.

For information on disposal of contaminated material, see Section 13.

## **7. HANDLING AND STORAGE**

### **7.1 PRECAUTIONS FOR SAFE HANDLING**

Avoid contact with molten material.

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

### **7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Store closed, in a dry and cool place.

Keep away from groundwater and sewers.

Keep away from all sources of ignition.

### **7.3 SPECIFIC END USE(S)**

The product is designed for use as a filament for 3D printing using FDM technology.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 CONTROL PARAMETERS**

Provide adequate exhaust ventilation.

### **8.2 EXPOSURE CONTROL**

<b>Eye protection:</b>	There should be an eye wash and safety shower near the work area. Wear safety goggles to protect the eyes from the dispersion of the toxic substance.
<b>Skin and body protection:</b>	Good industrial hygiene practice is to minimizing skin contact. When the material is heated, gloves should be worn.
<b>Respiratory protection:</b>	Wear a NIOSH-approved or European Standard EN 149 full or half mask (with goggles) for breathing, protective equipment as needed.
<b>Hand protection:</b>	Protective gloves, if necessary.
<b>Other:</b>	Protection against contact with molten product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Solid
<b>Appearance:</b>	Circular profile
<b>Odour:</b>	Sweet
<b>pH:</b>	Not applicable
<b>Melting point:</b>	150 – 180 °C
<b>Boiling point:</b>	Not specified
<b>Vapour pressure:</b>	Negligible (20 °C)
<b>Vapour density:</b>	Not specified
<b>Density:</b>	1.27 g/cm <sup>3</sup>
<b>Solubility(ies):</b>	Irrelevant
<b>Auto-ignition temperature:</b>	454 °C (ASTM E659)
<b>Burning point:</b>	Not specified
<b>Decomposition temperature:</b>	250 °C

### 9.2 OTHER SAFETY INFORMATION:

None.

## 10. STABILITY AND REACTIVITY

### 10.1 REACTIVITY

It can burn, but it does not ignite easily.

### 10.2 CHEMICAL STABILITY

Stable under recommended conditions.

### 10.3 POSSIBLE HAZARDOUS REACTION

Containers can explode when heated. Fire can produce irritating and/or toxic gases. Vapors may occur that can cause dizziness or suffocation. Inhalation of the material may be harmful.

### 10.4 CONDITIONS TO AVOID

Avoid contact with incompatible materials. Avoid release into the environment.

## **10.5 INCOMPATIBLE MATERIALS**

Combustible materials.

## **10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Irritating and/or toxic gases.

# **11. TOXICOLOGICAL INFORMATION**

## **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

<b>Caustic effect:</b>	Molten material can cause burns.
<b>Mutagenic and carcinogenic effects:</b>	Based on available data, the classification criteria are not met.
<b>Sensitizing effects on the respiratory tract:</b>	No data available.
<b>Sensitizing effects on the skin:</b>	No data available.
<b>Serious eye damage, eye irritation:</b>	Molten material can cause burns.

## **11.2 INFORMATION ON OTHER HAZARDS**

No data available.

# **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**

The substance does not meet the criteria for classification as PBT or vPvB.

#### **12.6 OTHER ADVERSE EFFECTS**

No symptoms are known so far.

#### **12.7 ADDITIONAL INFORMATION**

Use the product in accordance with well-proven working methods, preventing its release into the environment.

### **13. DISPOSAL CONSIDERATION**

#### **13.1 WASTE TREATMENT METHODS**

In accordance with local and national regulations (i.e. EU 91/15/CEE, EU 91/689/CEE, EU 94/62/CEE AND the following them) waste should not be released into the environment. Do not pollute ponds, waterways or canals with product or used packaging.

### **14. TRANSPORT INFORMATION**

Not classified as dangerous goods according to transport regulations (IMDG, IATA, ADR / RID).

#### **14.1 UN number**

Not applicable

#### **14.2 UN proper shipping name**

Not applicable.

#### **14.3 Transport hazard class(es)**

Not applicable.

#### **14.4 Packing Group**

Not applicable.

**14.5 Environmental hazards**

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

**15. REGULATORY INFORMATION****15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS /LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

Not subject to regulation.

**15.2 CHEMICAL SAFETY ASSESSMENT**

A chemical safety assessment has not been conducted for the substances in this mixture.

**16. OTHER INFORMATION**

The information contained in this sheet is based on current knowledge and experience with the product. This information is intended to support independent assessment of the methods used to ensure safe work with the filament and its safe disposal.

