

# SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200:2012, ANSI Z400.1-2010, and ISO 11014-1: 2009

## FILAMENT NOCTUO PET-G



### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**Supplier and manufacturer:**

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

**Product Name:** Filament Noctuo PET-G  
**Intended use:** FDM 3d printing material

### 2. HAZARDS IDENTIFICATION

*Classification of the substance or mixture*

**Regulation (EC) No 1272/2008 (CLP)**

is not classified according to Regulation (EC) No 1272/2008 [CLP] and Directive 67/548/EEC.

**Label elements**

**Hazard pictograms :** Not applicable

**Signal word :** Not applicable

**Hazard statement :** Not applicable

**Additional precautionary statements :** Not applicable

**Other hazards**

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Additional identification	Conc. / %	Classification
copolyester	proprietary	100	See section.2

### 4. FIRST AID MEASURES

*Description of first aid measures*

**After eye contact :**

Get medical attention if eye symptoms occurred.

In case of contact with molten substance, immediately flush eyes with water for at least 15 minutes. Get medical attention immediately.

**After skin contact :**

Remove contaminated clothing and shoes.

Get medical attention if skin symptoms occurred.

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.

**After inhalation :**

Specific medical treatment is urgent.  
Move victim to fresh air.  
Give artificial respiration if victim is not breathing.  
Administer oxygen if breathing is difficult.

**After ingestion :**

Get medical attention if swallowed amount of substance

***Most important symptoms and effects, both acute and delayed Acute effects***

Not classified

**Delayed effects**

Not classified

***Indication of immediate medical attention and special treatment needed***

Call emergency medical service. Get medical advice/attention if you needed.  
Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.  
If burned by contact with molten material, cool quickly as possible with water, and then go to see a physician for treatment of burn.

## 5. FIRE FIGHTING MEASURES

***Extinguishing media***

**Suitable extinguishing media:**

CO<sub>2</sub>, water, sand

**Unsuitable extinguishing media:**

High pressure water streams

***Special hazards arising from the substance or mixture***

Thermal decomposition products: Not available  
Hazardous combustion products: CO<sub>2</sub>, CO  
Unusual fire and explosion hazards: No explosion hazards

***Advice for firefighters***

Wear positive pressure self-contained breathing apparatus (SCBA).  
Structural fire fighters' protective clothing will only provide limited protection.

## 6. ACCIDENTAL RELEASE MEASURES

***Personal precautions, protective equipment and emergency procedures***

Stop leak if you can do it without risk. Isolate exposed area. Keep unauthorized personnel away. Use certificated protective equipment. Ventilate the leaked area.

***Environmental precautions***

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

***Methods and material for containment and cleaning up***

Do not touch or walk through spilled material.

***Reference to other sections***

See also point 8 and 13 of the Safety Data Sheet.

## 7. 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.

### ***Conditions for safe storage, including any incompatibilities***

Keep container closed.

Store container in a well dry/cool place.

Keep away from waterways and sewers.

Keep away from any source of ignition.

### ***Specific end use(s)***

Not available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ***Control parameters***

#### **Occupational Exposure limits**

**Korea regulation** : Not available

**ACGIH regulation** : Not available

**Biological exposure index** : Not available

**OSHA regulation** : Not available

**NIOSH regulation** : Not available

**EU regulation** : Not available

### ***Exposure controls***

#### **Appropriate engineering controls :**

Provide local exhaust ventilation system or other engineering controls to keep the airborne below their respective threshold limit value. Check legal suitability of exposure level..

#### **Individual protection measures, such as personal protective equipment :**

##### **Respiratory protection :**

Wear NIOSH or European Standard EN 149 approved full or half face piece (with goggles) respiratory protective equipment when necessary.

##### **Eye/face protection :**

An eye wash unit and safety shower station should be available nearby work place. Wear safety glasses to protect eyes from scattering toxic substance.

##### **Skin protection:**

###### **Hand protection :**

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

###### **Other :**

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

### ***Environmental exposure controls***

Not available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical form:** Solid

**Odor :** Slight odor

**Vapor pressure :** Negligible (20 °C)

**Solubility (ies) :** Negligible

**Relative density :** 1.27 g/ml (25 °C)

**Specific gravity :** > 1

**Auto ignition temperature :** 454 °C (ASTM E659)

## 10. STABILITY AND REACTIVITY

### **Reactivity**

Some of these materials may burn, but none ignite readily.

### **Chemical stability**

Stable under normal temperatures and pressures.

### **Possibility of hazardous reactions**

Containers may explode when heated. Fire may produce irritating and/or toxic gases. Some liquids produce vapors that may cause dizziness or suffocation. Inhalation of material may be harmful.

### **Conditions to avoid**

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

### **Incompatible materials**

Combustibles

### **Hazardous decomposition products**

Irritating and/or toxic gases

## 11. TOXICOLOGICAL INFORMATION

### **Information on toxicological effects**

(a) Acute toxicity;

Oral

Not available

Dermal

Not available

Inhalation

Not available

(b) Skin Corrosion/ Irritation;

Molten material will produce thermal burns

(c) Serious Eye Damage/ Irritation;

Molten material will produce thermal burns

(d) Respiratory sensitization;

Not available

(e) Skin Sensitization;

Not available

(f) Carcinogenicity;

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

(g) Mutagenicity;

Not available

(h) Reproductive toxicity;	Not available
(i) Specific target organ toxicity (single exposure);	Not available
(j) Specific target organ toxicity (repeat exposure);	Not available
k) Aspiration Hazard	Not available

## 12. ECOLOGICAL INFORMATION

### **Toxicity**

There are no data available on the preparation/mixture itself.

### **Persistence and degradability**

There are no data available on the preparation/mixture itself.

### **Bioaccumulative potential**

There are no data available on the preparation/mixture itself.

### **Mobility in soil**

There are no data available on the preparation/mixture itself.

### **Results of PBT and vPvB assessment**

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

### **Other adverse effects**

No symptoms known up to now.

## 13. DISPOSAL CONSIDERATION

### **Waste treatment methods**

### **Waste from residues**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### **Container**

Consider the required attentions in accordance with waste treatment management regulation.

## 14. TRANSPORT INFORMATION

**UN Number** : Not applicable

**UN Proper shipping name** : Not applicable

**Transport Hazard class** : Not applicable

**Packing group** : Not applicable

**Environmental hazards** : Not applicable

**Special precautions for user**

**in case of fire** : Not applicable

**in case of leakage** : Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not Available.

## 15. REGULATORY INFORMATION

**Safety, health and environmental regulation/legislation specific for the substance or mixture EU Regulatory Information:**

**EU classification :**

**Annex I of Directive 67/548/EEC :**

**Classification** : Not regulated

**Risk phrases** : Not regulated

**Safety phrases** : Not regulated

**EU CLP 2008 :**

**Classification** : Not regulated

**Hazard statement codes** : Not regulated

**Precautionary statement codes** : Not regulated

**EU SVHC list** : Not regulated

**EU Authorisation List** : Not regulated

**EU Restriction list** : Not regulated

**Foreign Regulatory Information****External 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

**Korea management information** : Not regulated

**Substance of Roterdame Protocol** : Not regulated

**Substance of Stockholme Protocol** : Not regulated

**Substance of Montreal Protocol** : Not regulated

**Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**16. OTHER INFORMATION****Further Information**

This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation, as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous version.