

SAFETY DATA SHEET

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



FILAMENT NOCTUO ABS

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 ABS

Intended use:

FDM 3d printing material

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) of the European Parliament and of the Council no 1272/2008 (CLP)

The product does not contain hazardous substances in quantities affecting classification in accordance with the Regulation of the Parliament of the European Parliament and of the Council (EC) No. 1272/2008 of December 16, 2008. Product not affected REACH registration in accordance with the Regulation (EC) 1907/2006 of the European Parliament and of the Council of December 18, 2006.

Classification according to Council Directive 67/548/EEC

It does not contain dangerous substances in quantities affecting the classification in accordance with the EEC Directive 67/548/EEC.

Label elements

The product does not require labeling according to GHS criteria in accordance with the Regulation European Parliament and Council (EC) NO 1272/2008 of; December 16, 2008 and in accordance with Directive 1999/45/EC.

Other hazard

Under the recommended conditions of use, it poses no threats except for possibilities thermal burn.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name / no. CAS:	Weight %:
Poly(acrylonitrile-co-butadiene-co-styrene)	>98
Dyes or enhancers	<2

4 FIRST AID MEASURES

First Aid - Inhalation

A person exposed to inhalation of volatile compounds decomposition must be removed from the contaminated atmosphere, provide him with fresh air, protect against heat loss; call a doctor.

First Aid - Skin

In case of burns caused by molten product, the place should be cooled immediately treat, for example, sterile gauze and seek medical attention.

First Aid - Eye

Rinse opened eye for several minutes under running water.

First Aid – Swallowing

No specific measure requested in case of ingestion. If needed seek medical assistance.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Water system, spray water, foam, extinguishing powder, carbon dioxide

Unsuitable extinguishing media

Not applicable.

Special hazards arising from the substance or mixture

Smoke may be released from the product in case of fire composed of dust water, carbon dioxide and carbon monoxide with insufficient access air and other products of combustion, nitrogen and nitrogen compounds (possible traces of HCN when deprived of oxygen).

Advice for firefighters

Wear appropriate protective clothing (helmet, goggles, gloves). fire, shoes) and respiratory protection equipment (self-contained breathing apparatus breathing).

The product is flammable.

Cool endangered tanks with a stream of water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

No special measures required caution

Environmental precautions

Do not discharge into drains.

Methods and material for containment and cleaning up

Collect mechanically.

Reference to other sections

See Section 8 for information on personal protection equipment. For information on disposal of contaminated material, see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Use personal protective equipment. Users should be protected from possible contact with molten material during use. Processing facilities should be equipped with adequate capabilities ventilation.

Avoid inhalation of vapours.
Do not exceed recommended operating temperatures.
Don't set fire.

Conditions for safe storage, including any incompatibilities

Keep away from sources of fire, heat and sparks, and from products easily flammable.
Store out of direct sunlight, in a well ventilated, cool and dry place.
Storage tanks should be grounded to eliminate the possibility of generation static electricity.

Specific end use(s)

Product to be used as a filament for 3D printing in FDM technology.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

Suitable technical controls

It is recommended to use the product in places well ventilated.

Personal protection measures

Respiratory protection

Respiratory protection in the presence of dust or with insufficient ventilation.

Combination filter for organic gases / vapors, inorganic, acidic inorganic and alkaline and poisonous particles.

Skin and body protection

Use when working with molten filament additionally gloves protecting against high temperatures

Eye/face protection

Wear suitable protective glasses with side shields.

Hand protection

Preventive skin protection.

Other

Users should be protected from contact with the molten material during processing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form	Solid
Odor	Not applicable
Flash point	Not applicable
Decomposition temperature	< 300 °C
Melting point	103 -107 °C
Self-ignition temperature	< 400 °C
Solubility in water	Insoluble
Solubility in solvents	Soluble at room temperature: in acetone, butanone, dichloromethane.

10. STABILITY AND REACTIVITY

Reactivity	The product does not participate to dangerous reactions
Chemical stability	The product is stable and inert in the recommended storage and handling conditions.
Conditions to avoid	Temperatures above those recommended in print. Avoid exposure to sunlight. Avoid build-up of electrostatic charges To prevent thermal decomposition filament processing should be carried out in temperature range 230 - 260 °C. Temperature 270°C should never be exceeded.
Materials to avoid	No further relevant information available
Incompatible materials	Oxidizing substances
Hazardous decomposition products	No dangerous decomposition products known
Possibility of occurrence dangerous reactions	No dangerous reactions known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects	
Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	The product is indifferent
Serious eye damage/irritation	The product can cause mechanical irritation.
Respiratory or skin sensitisation	The product is indifferent
Germ cell mutagenicity	The product is indifferent
Carcinogenicity	The product is indifferent

12. ECOLOGICAL INFORMATION

Ecotoxicity	No further relevant information available.
Persistence and degradability	The product is essentially a high molecular weight polymer, not regarded as ecotoxic. The product is a non biodegradable polymer.
Bioaccumulative potential	Does not accumulate in organisms
Mobility in soil	No further relevant information available.
Results of PBT and vPvB assessment	
PBT:	This substance / mixture is not a PBT applying the criteria of UK REACH Regulation, Annex XIII.
vPvB:	This substance / mixture is not a vPvB applying the criteria of UK REACH Regulation, Annex XIII.

13. DISPOSAL CONSIDERATION

Waste treatment methods

In accordance with local and national regulations

14. TRANSPORT INFORMATION

ADR/RID

Proper shipping name: None

Harm class: Not applicable

Packing group: None

U.S. Department of Transportation (DOT)

Proper shipping name: None

Harm class: Not applicable

Packing group: None

Hazardous Substances (RQ): None

IMDG

Proper shipping name: None

Harm class: Not applicable

Packing group: None

UN number/Id: None

ICAO/IATA

Proper shipping name: None

Harm class: Not applicable

Packing group: None

UN number/Id: None

15. REGULATORY INFORMATION

Legal requirements are subject to change and may vary from location to location. The user is obliged to ensure that all his actions comply with all state, federal, state or provincial and local governments legal regulations and regulations.

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara 313 title III: Not listed

TSCA Inventory List: Listed

The product monomers are listed in the documents:

Canada DSL Inventory List : Listed

REACH/EU EINECS List : Components are compliant and/or are listed

Japan (ECL) : Listed

Australia (AICS): Listed

Korean chemical inventory: Listed

China inventory of existing chemical substances list : Listed

16. OTHER INFORMATION

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