Plexiwire

SAFETY DATA SHEET

1. Product identifier and details of the supplier of the safety data sheet

Product name:	Plexiwire PLA Filament (monofilament) for 3D printing by FDM / FFF method
Product family:	Plexiwire PLA Filament
Product Type:	Plexiwire PLA Filament
Identified uses:	It is used for 3D printing by FDM / FFF method
Manufacturer Company:	TOV "EUROPLEX" Limited Trade Development, 62415, Mira str, Building 48-a, Slobozhanskoe, Ukraine.
Supplier company:	Natural Works llc
Emergency health information:	+380503233572

2. Hazard identification

GHS Classification	This substance is not classified according to Directive 1272/2008 / EC and its amendments (CLP regulation, GHS).
GHS label elements:	
Hazard pictograms:	Pictogram is not required
Signal word:	Warning
Defining characteristics of the product:	Solid (monofilament)
Classification of the substance or mixture	
GHS Classification	Not classified as hazardous product.

Label elements:

Precautionary Statements:

P314 Get medical advice/attention if you feel unwell

P402 Store in a dry place

P505 Dispose of contents/ packing to in accordance with local/regional/national/international regulation. See section 11 for more detailed information about factors that affect health and the symptoms.

Plexiwire

General:	Before use, read the quality certificate.
Prevention:	Do not get in eyes, in the skin. Do not ingest. Keep away from source of ignition. Observe good personal hygiene.
Response to possible exposure:	Consult a physician if you feel unwell.
Storage:	Store in original manufacture packaging.
Disposal:	Dispose of contents and container in accordance with local, regional, national and international regulations.
Other hazards:	No other hazards are known.

3. Composition/Information on ingredients

Formula: None

Component	CAS №	CLP classification	Percentage, %
Natural Works Biopolymer 4032D	26100-51-6	Irritant	Secret trade
Organic/Inorganic pigments	-	N/E	Secret trade

There are no additional ingredients present which within the current knowledge of the supplier and in the concentrations applicable could be classified as hazardous to health or the environment and hence require reporting in this section.

4. First Aid Measures

4.1. Description of the first aid measures

General advice:	In the event of symptoms of the effects of the substance, it is necessary to provide first medical aid. Consult a physician.
Following eye contact:	It is unlikely that first aid will be required. Dust may be irritating to the eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention, if needed.
Following skin contact:	Wash hands with water. If skin irritation persists, call a physician.
Following inhalation:	Heating may release vapors which may be irritating. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. Get medical advice/attention.
Following ingestion:	Consult a physician if symptoms develop.

Plexiwire

4.2. Most important symptoms and effects, both acute and delayed

Eye contact:	Vapor may cause irritation of mucous membranes.
Skin contact:	Molten material may cause thermal burns.
Inhalation:	Not available.
Ingestion:	Not available.
Notes to physician:	No specific treatment.
Specific treatments:	No specific treatment.

5. Firefighting measures

Extinguishing media:

Suitable:	Carbon dioxide, water, dry powder, foam, sand.
Not suitable:	No data available.
Special hazards arising from the substance or mixture:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Advice for fire fighters:	Wear protective clothing and self-contained breathing apparatus.
Hazardous combustion products	Decomposition products may include the following materials: Carbon oxides

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Avoid contact with eyes, skin. Keep away from source of ignition. Ventilate the room.
Environmental precautions:	Do not discharge into lakes, streams, ponds.
Methods and material for containment and cleaning up:	Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material and place in container for disposal according to local / national regulations (see section 13).
Reference to other sections:	See Section 1 for Product identifier and details of the supplier of the safety data sheet. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Plexiwire

7. Handling and storage

Precautions for safe handling: Before use read the quality certificate. Avoid contact with eyes, skin. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Observe good personal hygiene.

Conditions for safe storage, including any incompatibilities: Store in a cool dry place. Avoid heat, flames, sparks and other sources of ignition. Keep away from incompatible materials. Ensure appropriate labeling containers.

Specific end use: Use as directed.

8. Exposure controls/personal protection

Control parameters:

Personal, workplace or environmental monitoring may be necessary to ensure exposures that are recommended below.

Engineering measures: Effective exhaust ventilation system

Personal protective equipment:

Eye Protection: Safety goggles (general rule)

Skin Contact: Gloves (general rule)

Respiratory Protection: Mask (general rule)

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked for compliance with the environmental protection requirements of the legislation of the environment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Colored monofilament, diameter 1.75 mm
Odor (Odor threshold):	Odorless
Density:	1,2
Melting point:	200 °C
Vika softening point:	60 °C

Plexiwire

10. Stability and reactivity

Reactivity:	Stable
Chemical stability:	Stable
Possibility of Hazardous Reactions:	May decompose upon heating to produce corrosive and/or toxic fumes.
Conditions to Avoid:	Avoid heat, flames, sparks and other sources of ignition.
Hazardous Decomposition Products:	In case of fire hazardous decomposition products may be produced such as: Carbon oxides

11. Toxicological information

No hazard is expected from the normal use of this product. Dust may cause irritation of the nose, throat and upper respiratory tract.

Possible ways of contact with the organism:	Getting through the eyes, skin, mouth.
Eye irritation:	Molten material may cause burns.
Skin corrosion/irritation	Molten material may cause burns.
Respiratory irritation:	No information on significant adverse effects.
Ingestion Irritation:	No information on significant adverse effects.
Chronic Exposure :	Health injuries are not known or expected under normal use.

Toxicity

Acute oral toxicity :	No data available
Acute inhalation toxicity :	No data available
Acute dermal toxicity :	No data available
Skin corrosion/irritation:	No skin irritation
Serious eye damage/eye irritation:	No eye irritation
Respiratory or skin sensitization:	No data available
Carcinogenicity :	No data available
Reproductive effects :	No data available
Germ cell mutagenicity	No data available
Teratogenicity :	No data available

STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration toxicit	No data available

12. Ecological information

Toxicity:	Do not discharge into lakes, streams, ponds.
Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Other adverse effects:	Not available.

13. Disposal considerations

Disposal instructions:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Waste must be disposed of in accordance with federal, state/provincial and local environmental control regulations. In the production of waste to be disposed, are not formed.
Local disposal regulations Hazardous waste code:	Dispose in accordance with all applicable regulations. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

Transportation can be carried out in accordance with national legislation or ADR - for transport by road, RID - to transport by rail, IMDG - for transportation by sea, IATA - for transportation by air.

	UN no.	Appropriate shipping name	Classes hazards during transportation	PG	Env
ADR/RID	UN no. not installed	Plexiwire PLA Filament (monofilament) for 3D printing by FDM / FFF method	-	-	-
IATA			-	-	-
IMDG			-	-	-

Transportation indoors consumer: Transportation always in packaging of manufacturer.
Transport in bulk according to MARPOL Annex II and IBC Code Not Applicable.

Plexiwire

15. Regulatory information

Safety Health and Environment / special law for the substance or mixture:

EU Regulation (EC) № 1907/2006 (REACH) **Annex XIV - List of substances subject to authorization:** None of the components are listed.
Annex XIV: Substances very special attention: None of the components are listed.
CHAPTER XVII: Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles. Not applicable.

16. Other information

The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet/ In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

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