

Revision date: 11.08.2026

Version: V7

Date of print: 24.08.2026

## 1. IDENTIFICATION OF THE SUBSTANCE

### 1.1. Product identifier

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| <b>Trade name</b>   | <b>Xioneer VXL70, VXL90, VXL111, VXL130, VXL150</b> |
| <b>Product type</b> | <b>Acrylate Terpolymer based polymer</b>            |
| <b>UFI</b>          | 9600-6054-W007-56RU                                 |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|                                  |                                    |
|----------------------------------|------------------------------------|
| <b>Relevant identified uses:</b> | Filament for FFF based 3D printing |
| <b>Uses advised against:</b>     | no information available           |

### 1.3. Company

|           |                       |
|-----------|-----------------------|
|           | BellandTechnology AG  |
|           | Kühlenfelser Str. 47  |
|           | D-91278 Pottenstein   |
| Telephone | +49 (0) 171 220 006 7 |
| E-Mail    | wecanhelp@xioneer.com |

### 1.4. Responsible Department

|                       |
|-----------------------|
| BellandTechnology AG  |
| Geschäftsleitung      |
| wecanhelp@xioneer.com |

### 1.5. Emergency telephone number

|                                                          |
|----------------------------------------------------------|
| <b>+49 89 19240</b>                                      |
| Poison Center Munich                                     |
| Klinikum rechts der Isar, Abt. für klinische Toxikologie |

## 2. IDENTIFICATION OF HAZARDS

### 2.1. Classification

According to EC regulation 1272/2008 (CLP) the substance is classified as not hazardous.

### 2.2. Labeling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

### 2.3. Hazards not otherwise classified (HNOC)

There is a risk of burns when handling heated or molten product.

This product does not contain any known or suspected endocrine disruptors.

### 3. COMPOSITION/INFORMATION OF INGREDIENTS

#### 3.1. Substances

Acrylate Terpolymer based polymer blend.

**3.2. CAS-No:** 25036-16-2

### 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

|                        |                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General information:   | Contaminated clothing must be taken off immediately.                                                                                                                                                                                                           |
| After inhalation:      | After inhalation of decomposition products gases or dust, bring the affected person to a source of fresh air and keep calm. Contact a physician in case of discomfort.                                                                                         |
| After eye contact:     | Vapor or heated product may cause eye irritation. In case of contact with eyes, rinse open eyes thoroughly with water. Remove contact lenses and continue flushing. If irritation develops, seek immediate medical attention.                                  |
| After skin contact:    | After contact with the molten product, cool skin area immediately with cool water. Do not remove the product from the affected skin areas without medical assistance. Cover with sterile cotton sheeting to protect against infection. Seek medical attention. |
| After ingestion:       | Rinse mouth with water. Induce vomiting immediately and seek medical attention. If a person vomits when lying on his back, place him in the recovery position.                                                                                                 |
| Note to the physician: | Treat symptomatically.                                                                                                                                                                                                                                         |

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

Dust: Skin irritation, eye irritations and redness.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Decontamination, vital functions.

### 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Water spray jet, foam, extinguishing powder, carbon dioxide.

#### 5.2. Unsuitable media

Full water jet or a solid water stream. It might scatter and spread fire.

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**5.3. Specific hazards arising from the substance or mixture**

Exposure to decomposition products may be a hazard to health. The smoke of a fire can, in addition to the originating material, also contain combustion products of varying composition, which may be toxic and/or irritating. Combustion products may include and are not limited to carbon monoxide and carbon dioxide.

**5.4. Advice to firefighters**

Wear self-contained breathing apparatus and full protective clothing. MSHA/NIOSH (approved or equivalent) and full protective gear.

**5.5. Hazardous Combustion Products**

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

**5.6. Additional information**

Fine dust dispersed in air may ignite. Risk of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust.

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire and/or explosion do not breathe fumes. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Hazchem-Code: -

**6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Do not inhale vapors/fumes released during thermal processing. Use personal protective equipment/clothing (see section 8). Avoid eye contact and dust formation and remove all sources of ignition. Sweep up to prevent slipping hazard.

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

Sweep/shovel into suitable container for disposal. Avoid raising dust and ensure adequate ventilation. Clean contaminated surface thoroughly.

**6.3. Environmental precautions**

Prevent entry into drainage systems, or surface water. See section 13, disposal consideration.

**6.4. Reference to other sections**

For safe handling see section 7, for personal protection see section 8, for incompatible materials see section 10, for disposal considerations see section 13.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Handle in a well-ventilated area. Install local exhaust at 3D printer's area is recommended when many printers are operated at once. Avoid contact with heated or molten product. Use personal protective equipment (see section 8). Avoid dust formation and electrostatic charge. Keep away from fire ignition.

### 7.2. Conditions for safe storage, including any incompatibilities

Protect from water, moisture and direct sunlight. Store material in dry rooms and keep material in closed and air tight packaging/container with desiccant when not in use. Store at ambient temperatures. Avoid all sources of ignition.

### 7.3. Precautions

No special precautions required.

### 7.4. Specific use(s)

Primarily used for 3D printing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Occupational exposure limits

Given suitable ventilation it can be that the threshold limits will not be reached. Provide good ventilation to ensure that the workplace exposure limit is not exceeded. Use of respiratory protection may be necessary during maintenance activities.

#### Biological Limit Values:

As delivered, the product does not contain any hazardous materials subject to biological limit values.

#### Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

No information is available.

#### Predicted No Effect Concentration (PNEC)

No information is available.

### 8.2. Exposure Control and Monitoring

Technical Control Devices

None known under normal conditions of use.

#### Personal protective equipment

Hand protection:

Heat protective gloves according to EN 374. Glove material: Nitrile rubber – Layer thickness: 0,11 mm. Breakthrough time: > 480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

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|                                                      |                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                      | In case of melting: Impervious heat protective gloves according to EN 407. Glove material: Leather, Kevlar. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.                                                                |
| Eye protection:                                      | Tightly sealed goggles according to European standard EN 166.                                                                                                                                                                                                        |
| Skin and body protection:                            | Wear suitable protective clothing. Boots or safety shoes. IN case of dust formation: Overall.                                                                                                                                                                        |
| Safety and hygiene measures:                         | Avoid contact of hot molten material to skin. Avoid inhalation of dust, mists and vapors. Eye wash fountains and safety showers must be easily accessible. Handle in accordance with good industrial hygiene and safety practice. No eating or drinking during work. |
| Respiratory Protection:                              | Protective equipment is not required under normal conditions of use. If exposure limits are exceeded or irritation occurs, ventilation and evacuation may be necessary. Minimize dust generation and accumulation as much as possible.                               |
| Small-scale / Laboratory Use:                        | Maintain adequate ventilation.                                                                                                                                                                                                                                       |
| Limitation and monitoring of Environmental exposure: | No information is available.                                                                                                                                                                                                                                         |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Fundamental physical and chemical properties

|                                 |                                |
|---------------------------------|--------------------------------|
| Form:                           | Filament (solid)               |
| Color:                          | Natural                        |
| Odor:                           | Weak, characteristic           |
| Melting index:                  | 1 – 10 g/10 min (220 °C/10 kg) |
| Ignition temperature:           | > 450 °C                       |
| Flash point/ flash point range: | No data available.             |
| Explosion limit:                | No data available.             |
| Density:                        | No data available.             |
| Solubility in water:            | Insoluble                      |
| Solubility in 0,5 N NaOH:       | 50 g/l                         |
| Decomposition temperature:      | > 290 °C                       |
| Specific gravity:               | 1,1 g/cc (20 °C)               |

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

According to the information available, none are known.

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**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of Hazardous Reactions**

None under normal processing conditions.

**10.4. Conditions to Avoid**

Excessive heat. Do not overheat to prevent thermal decomposition.

**10.5. Incompatible Materials**

Strong alkalis, strong oxidizing agents, strong acids.

**10.6. Hazardous decomposition products**

Dangerous/toxic fumes and other gaseous products of degradation can be given off if the product is greatly overheated. The decomposition of product depends on temperature, air supply and the presence of other materials (carbon monoxide, hydrocarbon oxidation products, including organic acids aldehydes and alcohol). In case of fire may be liberated: Smoke, hydrocarbons, carbon monoxide and carbon dioxide

**11. TOXICOLOGICAL INFORMATION****11.1. Toxicological effects**

|                                |                                       |
|--------------------------------|---------------------------------------|
| Acute toxicity (oral):         | No data available.,                   |
| Acute toxicity (dermal):       | No data available.                    |
| Acute toxicity (inhalative):   | No data available.                    |
| Skin corrosion/irritation:     | Not expected to be irritating.        |
| Serious eye damage/irritation: | Not expected to be irritating.        |
| Sensitization:                 | Not expected to be a skin sensitizer. |
| Repeated dose toxicity:        | No data available.                    |
| Carcinogenicity:               | No data available.                    |
| Mutagenicity:                  | No data available.                    |
| Reproductive toxicity:         | No data available.                    |
| STOT – single exposure:        | None known.                           |
| STOT – repeated exposure:      | None known.                           |
| Aspiration hazard:             | Not applicable, solid.                |
| Other adverse effects:         | No data available.                    |

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**11.2. Other dangers**

Endocrine-Disrupting Properties:

This product does not contain any known or suspected endocrine disruptors.

**12. ECOLOGICAL INFORMATION****12.1. Toxicity**

Eco-toxicity:

No ecological toxicity data has been generated for this product. There are no test results available and information is based on similar products.

Ecological toxicity effects:

No negative ecological effects are known at the present state of knowledge.

**12.2. Persistence and degradability**

Biodegradation:

The product is not readily biodegradable. The product is likely to persist in the environment.

**12.3. Bio accumulative potential**

No data available, but the product is expected not to be readily bioavailable due to its consistency and insolubility in water.

**12.4. Mobility in soil**

The product is essentially insoluble in water. Avoid contamination of soil, surface and sewage system water.

**12.5. PBT and vPvB results**

No data available

**12.6. Endocrine disrupting properties**

This product does not contain any known or suspected endocrine disruptors.

**12.7. Other adverse effects**

Persistent Organic Pollutants:

The product does not contain any known or suspected substances.

Ozone-Depleting Potential:

The product does not contain any known or suspected substances.

## 13. DISPOSAL CONSIDERATIONS

Waste from residues/unused Products:

Generators of chemical waste must determine whether a chemical being disposed of is classified as a hazardous substance. Generators of chemical waste must also comply with federal, state, and local regulations regarding hazardous substances to ensure complete and accurate classification.

Contaminated packaging

Empty out any remaining contents. Dispose of in accordance with local regulatory requirements. Do not reuse empty containers.

European Waste Catalogue

According to the European Waste Catalogue, waste code numbers are not product-specific but application-specific. Other Information: Waste codes must be assigned by the user based on the application for which the product was used.

## 14. TRANSPORT INFORMATION

### IMDG/IMO

Not regulated

14.1. UN Number

14.2. Proper

UN Shipping Name

14.3. Transport hazard classes

14.4. Packing group

### ADR

Not regulated

14.1. UN Number

14.2. Proper

UN Shipping Name

14.3. Transport hazard classes

14.4. Packaging group

### IATA

Not regulated

14.1. UN Number

14.2. Proper

UN Shipping Name

14.3. Transport hazard classes

14.4. Packing group

### 14.5. Environmental hazards

No hazards identified

### 14.6. Special precautions for the user

No special measures required.

### 14.7. Transport in bulk by sea in accordance with IMO instruments

Not applicable; packaged goods

**15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Approval/Restriction according to EU REACH**

Not applicable

**Seveso III Directive (2012/18/EC)****Threshold Levels for Major Accident Reporting**

Not applicable

**Volume Thresholds for Safety Report Requirements**

Not applicable

**Regulation (EC) Nr. 649/2012 of the European Parliament and the council of 4. Juli 2012****Concerning Import and Export of dangerous chemicals**

Not applicable

**Contains components of a PFAS substance)?**

Not applicable

**Regulation (EC) No. 1005/2009 on Ozone-Depleting Substances**

Not applicable

**Consider Guideline 98/24/EC for the protection of health and security of the worker against hazards through dangerous chemicals****National regulations**

WGK-classification

water hazard class = nwg (not hazardous to water, self classification)

**15.2. Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance.

**16. OTHER INFORMATION****Abbreviations and acronyms****ADN** Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)**ADR** Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)**CAS** Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)**CLP** Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures**DGR** Dangerous Goods Regulations (see IATA/DGR)**EC50** Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval**EC No** The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)**EINECS** European Inventory of Existing Commercial Chemical Substances**ELINCS** European List of Notified Chemical Substances**GHS** "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations**IATA** International Air Transport Association**IATA/DGR** Dangerous Goods Regulations (DGR) for the air transport (IATA)**ICAO** International Civil Aviation Organization**IMDG** International Maritime Dangerous Goods Code

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**index No** The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008

**LC50** Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval

**LD50** Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval

**NLP** No-Longer Polymer

**PBT** Persistent, Bioaccumulative and Toxic

**REACH** Registration, Evaluation, Authorisation and Restriction of Chemicals

**RID** Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)

**SVHC** Substance of Very High Concern

**VOC** Volatile Organic Compounds

**vPvB** Very Persistent and very Bioaccumulative

#### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). International

Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

#### Changes

This data sheet contains changes from the previous version in section(s): 2,3,9,14,15.

**This Safety Data Sheet complies with the requirements of Regulation (EC) No. 1907/2006. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No. 1907/2006.**

#### Disclaimer:

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It is only meant for providing assistance for the processor.

It does not represent a guarantee for the properties of this product described in terms of the legal warranty regulations.

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