



3D Printing PLA+ (pro) Filament

SAFETY DATA SHEET

VOXELPLA+ (PRO)

1) Product and Company Identification

PRODUCT NAME: VOXELPLA+ (PRO)

RAW MATERIAL: PLA

FORM: 1.75MM FILAMENT

APPLICATIONS: 3D PRINTING

The product is modified on the base PLA material to increase strength(layer adherence and toughness), reliability, and ease of printing. Our PLA+ (PRO) is excellent for rapid prototyping, cosplay, mechanical parts, models, or other applications.

Company:

3DEGOS LLC

10802 Capital Ave, STE 6G, CA, 92843

Email: Support@voxelpla.com

2) Hazards identification

Non noted, no classified hazard known of.

3) Composition / Information on Ingredients

This product does not contain hazardous ingredients above the cut-off value, according to HCS2012; 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200.

4) First Aid Measures

First aid responders should use protective clothing and take precautions.

First aid procedures:

Eye contact: Flush with running water for at least 15 minutes. If irritation persists, get medical attention.

Skin contact: Wash thoroughly with soap and water. Get medical attention in the unlikely event that irritation persists. After contact with the molten state of the product, please cool immediately with water and do not remove the solicited product after but seek medical attention.

Inhalation: If breathed in, remove the person to fresh air and keep them at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

Ingestion: Immediate contact a physician or poison control center for advice.

5) Fire Fighting Measure

Flammable properties: Not available.

Suitable extinguishing media: Use extinguishers suitable for surrounding fire.

Unsuitable extinguishing media: Not available.

Firefighting equipment/instructions: Wear self-contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products: Carbon oxides, Carbon Monoxide, Nitrogen Oxides, Hydrogen Cyanide

6) Accidental Release Measures

Personal precautions: Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Avoid disposal into drainage/sewer systems or the aquatic environment.

Methods for cleaning up: Sweep up and shovel into suitable containers and clean up the area.

7) Handling and Storage

Handling: Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.

Storage: Store in a cool place. Keep the container tightly closed in a dry and well-ventilated place. Open

containers must be resealed and kept to prevent leakage. Excess moisture can damage or change the product.

8) Exposure Controls / Personal Protection

Occupational exposure limits: This product has no PEL, TLV, or other recommended exposure limit.

Biological limit values: No biological exposure limits were noted for the ingredient(s).

Appropriate engineering controls: Handle by good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

Individual protection measures, such as personal protective equipment:

Eye/face protection: No special protection is required.

Skin protection: No special protection is required.

Respiratory protection: No special protection is required.

General hygiene considerations: Wash hands, forearms and face thoroughly after handling chemical products, before eating and using the restroom, and at the end of the working period.

9) Physical & Chemical Properties

Appearance:

Physical state: Solid

Form: Solid

Color: Various

Odor: Odorless

Odor threshold: Not available

Boiling point: Not available

Melting point/Freezing point: 170 C

Solubility (water): Insoluble

Relative Density: 1.24

Flashpoint: Non-explosive

Partition coefficient: Not available

Flammability limits in air, upper, %by volume: Not available

Flammability limits in air, lower, % by volume: Not available

Auto-ignition temperature: Not available

VOC: Not available

Percent volatile: Not available

Molecular Formula: Trade secret

10) Chemical Stability & Reactivity Information

Reactivity: The substance is stable under normal storage and handling conditions. But, it reacts with strong acids and oxidizing chemicals.

Chemical stability: Material is stable under normal conditions. But, it reacts with strong acids and oxidizing chemicals.

Incompatible materials: Strong acids and oxidizing agents.

Possibility of hazardous reactions: No hazardous reactions are known.

11) Toxicological Information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat): Not available

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

12) Ecological Information

Toxicity: Not expected.

Persistence and degradability: Not expected to be degradable, water-insoluble.

Bioaccumulative potential: Not expected to concentrate because of big long polymer chain molecules.

Mobility in soil: Not available

13) Disposal Considerations

Disposal instructions: Dispose of contents/container by local/regional/national/international regulations for the type of plastic the product is made from.

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after the container is emptied.

14) Transport Information

Not classified as hazardous based on available data.

15) Regulatory Information

Please follow the safety, health, and environmental regulation of your local jurisdiction for the product.

16) Other Information

For any other information, please contact us at support@voxelpla.com