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MATERIAL SAFETY DATA SHEET

(DIRECTIVE (CE) 453/2010)

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

1.1. Identification of the substance/preparation

Chemical denomination: Polyamide carbon fiber charged
Commercial name:

1.2. Use of substance/preparation

Additive printing filaments production.

1.3. Identification of the company/undertaking

Sa2p sas/Treed Filaments
Via Messina 101, 20831 Seregno (MB) Italy
Ph. +39 0362 320500
Email: info@treedfilaments.com

1.4. Emergency telephone number

Ph: +39 0362 320500

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 The preparation is composed by:

Polyamide charged carbon fiber.
CAS N° N/A

3. HAZARDS IDENTIFICATION

3.1. Classification:

The preparation is not classified as dangerous according to CEE 1999/45 and 67/548 directives and updates.

3.2. Potential Health Effects:

The preparation is considered harmless for human health as it is and when exposed to normal and predictable production process and storage.

According with EU directives it is not dangerous. See section 4 and 11 for further information.

3.3. Potential Environmental Effects

The preparation in normal storage and processing conditions is inert and does not show environmental hazards.

4. FIRST AID MEASURES

4.1. General information:

The measures indicated are referred to critical situations (fire, wrong process conditions). At ambient temperature the product is not irritating and does not release harmful smokes

4.2. Eye Contact:

Immediately flush eyes with water for at least 15 minutes. Get medical attention.

4.3. Skin Contact:

In case of melted product contact, flush area with large amounts of cold water. Do not remove consolidated product. Seek medical attention.

4.4. Inhalation:

In case of excessive smoke inhalation remove to fresh air. Seek medical attention. Keep the subject warm, and if necessary give artificial respiration.

4.5. Ingestion:

Get immediate medical attention. Do not induce vomiting.

4.6. Specific instruments needed on workplace:

Eyewashes.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media:

Water spray, foam, chemical powder and carbon dioxide.

5.2. Hazardous Combustion Products:

The preparation emits toxic fumes (CO and CO₂) under fire and overheat conditions.

5.3. Fire fighting procedures:

Wear self-contained breathing apparatus and full protection turn out gear. Use caution in approaching fire.

6. ACCIDENTAL RELEASE MEASURES**6.1. Health and Safety Precautions:**

Avoid walking on filaments to minimize slipping risk.

6.2. Measures for Environmental Protection:

Place waste in an appropriate labeled container for disposal. Do not discharge in sewerage.

6.3. Measures for Cleaning / Collecting:

Collect with available mechanical media. Dispose properly.

7. HANDLING AND STORAGE**7.1. General Handling:**

No specific risks for manipulation of the material at ambient temperature. Avoid inhalation of smokes during the production process.

7.2. Storage Conditions:

Keep product away from heat sources, direct sunlight and humidity. Store in fresh and well ventilated areas. Keep away from flames and static electricity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. OEL/PEL:**

Breathable powders: N/A

Total powders: N/A

8.2. Personal Protective Equipment:

Hands: Wear leather or nitrile rubber gloves if skin contact is possible.

Eye: Wear safety glasses if eye contact is possible.

Respiratory protection: General laboratory ventilation. In case of prolonged exposition, use protection according to directive 89/686/CEE.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Aspect:	Filament
Physical State:	Solid
Color:	Black.
Smell:	Characteristic
Melting point :	>220° C
Molecular Weight:	circa 1.07 g/cm ³

10. STABILITY AND REACTIVITY

- 10.1. Stability:** Stable
- 10.2. Conditions to Avoid:**
Direct sunlight and heat. Electrostatic charges. Avoid inhalation of smokes during the production process.
- 10.3. Incompatible Materials:**
Oxidizing agents and fluorine.
- 10.4. Hazardous Decomposition Products:**
No products known.
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11. TOXICOLOGICAL INFORMATION

- 11.1. Oral toxicology:** DL 50>2000 mg/Kg (rat). Product has not been tested.
Data from single components. Directive 1999/45/CE.
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12. ECOLOGICAL INFORMATION

- 12.1. Environmental Overview:**
The preparation can be mechanically separated.
- 12.2. Bioaccumulation and Toxicity:**
Not determined. Avoid product dispersion, the preparation is not biodegradable.
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13. DISPOSAL CONSIDERATIONS

- 13.1. Disposal procedures:**

Observe European regulations (91/156/CEE, 91/689/CEE, 94/62/CEE) when disposing of this material.

13.2. Packaging:

Contaminated packaging materials must be considered as chemical remain. Clean packaging materials must be disposed according to local regulation.

14. TRANSPORT INFORMATION

No limitations existing. Non-dangerous material.

15. REGULATION INFORMATION

15.1. Labeling:

The preparation is not classified as dangerous with actual regulation (1999/45/CE), (67/548/CEE) and updates. Labeling not required.

16. OTHER INFORMATION

This safety data sheet is provided according to directive 1907/2006/CE and 91/155/CE.

DISCLAIMER

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