



Revision Date: November 2014

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# MATERIAL SAFETY DATA SHEET

(DIRECTIVE 1907/2006/CE)

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

### 1.1. Identification of the substance/preparation

Chemical denomination: Polyamide  
Commercial name: Longchain PolyAmide

### 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](mailto:info@treedfilaments.com)

### 1.4. Emergency telephone number

Ph: +39 0362 320500

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### 2.1 The preparation is composed by:

Polymer, additives (<2%), colorants and/or pigments if necessary.  
CAS N° N/A CAS N° N/A

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## 3. HAZARDS IDENTIFICATION

### 3.1. Classification:

The preparation is not classified as dangerous according to CEE 1999/45 and 1272/2008 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.

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## **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:**

Powders and melted product: 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:**

If necessary, get medical attention. No specific measures are required for product's ingestion.

### **4.6. Specific instruments needed on workplace:**

Eyewashes.

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## **5. FIRE FIGHTING MEASURES**

### **5.1. Extinguishing media:**

Water, water spray, foam, chemical powder and carbon dioxide.

### **5.2. Hazardous Combustion Products:**

May emit toxic fumes (monomer and oligomer, carbon monoxide, ammonia and derivatives, hydrogen cyanide) under fire and overheat conditions.

### **5.3. Fire fighting procedures:**

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

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## **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, wash with water. Dispose and eliminate by incineration.

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## **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 and direct sunlight. Store in fresh and well ventilated areas. Keep away from flames and static electricity. Do not store over 60°C.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. OEL/PEL:**

Breathable powders: US (ACGIH-2012) TWA :  $3 \text{ mg/m}^3$

Breathable powders: IT (ACGIH-2009) TWA :  $3 \text{ mg/m}^3$

### **8.2. Personal Protective Equipment:**

Hands: Wear impervious gloves if skin contact is possible.

Eye: Wear safety glasses if eye contact is possible.

Skin and body: Boots.

Respiratory protection: General laboratory ventilation, wear self-contained breathing apparatus if necessary.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1. Aspect:</b>	Filament
<b>Physical State:</b>	Solid
<b>Color:</b>	Black, white, silver.
<b>Smell:</b>	Odourless
<b>Molecular Formula:</b>	N/A
<b>Molecular Weight:</b>	N/A

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## 10. STABILITY AND REACTIVITY

<b>10.1. Stability:</b>	Stable
<b>10.2. Conditions to Avoid:</b>	Temperatures over 60°C. Direct sunlight and heat. Electrostatic charges. Avoid inhalation of smokes during the production process.
<b>10.3. Incompatible Materials:</b>	Oxidizing agents and strong acids.
<b>10.4. Hazardous Decomposition Products:</b>	Decomposition temperature: >350°C. May emit toxic smokes from 300° to 350°C. See chapter 5.2 for further information on combustion effects.

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## 11. TOXICOLOGICAL INFORMATION

No data available

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## 12. ECOLOGICAL INFORMATION

<b>12.1. Environmental Overview:</b>	The preparation is a polymer considered non-toxic.
<b>12.2. Bioaccumulation and Toxicity:</b>	Avoid product dispersion, the preparation is not biodegradable.

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## 13. DISPOSAL CONSIDERATIONS

**13.1. Disposal procedures:**

Observe all local and national regulations when disposing of this material. Eliminate by incineration.

**13.2. Recycle:**

The material can be reused after appropriate treatments and according to application.

**13.3. National and European regulations:**

Directive 91/156/CEE, Directive 91/689/CEE, Directive 94/62/CEE.

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**14. TRANSPORT INFORMATION**

The product is not classified as dangerous according with existing regulations.

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**15. REGULATION INFORMATION**

**15.1. Labeling:**

The preparation is not classified as dangerous with actual regulation (1272/2008/CE).

Labeling not required.

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**16. OTHER INFORMATION**

This safety data sheet is provided according to directive 1907/2006/CE and amendment 453/2010.

**DISCLAIMER**

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