

# Wood

Smells like wood, looks like wood, feels like wood

## 1. Identification of the substance / preparation and of the company

### 1.1 Trade name

Wood

### 1.2 Use of this product

3D printer filament

### 1.3 Supplier

Filamentive

Bradford Chamber Business Park

Bradford

BD4 8BX

Phone number: +44 (0) 33 33 66 0020

Email: [info@filamentive.com](mailto:info@filamentive.com)

## 2. Hazards Identification

### 2.1 Classification

Product is not classified as hazardous for human life and health and for the environment.

### 2.2 Label Elements

None

### 2.3 Other Hazards

The substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. The product does not contain substances included in the list established in accordance with Article 59 (1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

#### **Disclaimer**

The information provided in this datasheet is correct to the best of Filamentive Limited's knowledge and is intended for reference purposes only. The user assumes all responsibility for the use of all information and shall verify quality / properties as required for their specific use case. Filamentive Limited shall not be made liable for any damage, injury or loss induced from the use of materials in any application.

### 3. Composition of Ingredients

#### 3.1 Composition

Wood is based on biodegradable polylactide (PLA) [CAS 9051-89-2], contains copolyester, wood fibre and the addition of colouring agents. Product does not contain components which are classified as hazardous. Product does not contain components with European Union level exposure limit in the workplace.

### 4. First Aid Measures

#### 4.1 Skin Contact

Rinse immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Cool skin rapidly with cold water after contact with hot product. Do not peel filament from the skin. Consult a physician.

#### 4.2 After Inhalation

Move to fresh air. Call a physician immediately.

#### 4.3 On Ingestion

Rinse mouth with water. Do not induce vomiting without medical advice. Call a physician immediately.

#### 4.4 On Eyes Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately. Avoid strong stream of water – risk of damage of the cornea. Contact an ophthalmologist.

#### **Disclaimer**

The information provided in this datasheet is correct to the best of Filamentive Limited's knowledge and is intended for reference purposes only. The user assumes all responsibility for the use of all information and shall verify quality / properties as required for their specific use case. Filamentive Limited shall not be made liable for any damage, injury or loss induced from the use of materials in any application.

## 5. Firefighting Measures

### 5.1 Extinguishing media

**Suitable extinguishing media:**

Carbon dioxide, extinguishing powder, extinguishing foam, water spray.

**Unsuitable extinguishing media:**

Water jet – risk of fire propagation

### 5.2 Special hazards arising from the substance or mixture

During combustion harmful fumes consisting of carbon oxides and other harmful products of thermal decomposition may be produced. Do not inhale combustion products, it may cause health risk.

### 5.3 Advice for fire fighters

As in any fire, wear self-contained breathing apparatus, and full protective gear. Do not let extinguishing water to reach drainage system, surface water and groundwater.

### 5.4 Remark:

Risks of ignition (followed by flame propagation or secondary explosions) shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

## 6. Accidental Release Measures

### 6.1 Personal precautions

Keep away from sources of ignition. Avoid dust formation. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid inhalation of fumes produced during the printing process.

### 6.2 Environmental precautions

Do not flush into surface and ground and ground water or sanitary sewer system.

### 6.3 Methods and materials for containment and cleaning up

Shovel into suitable container for disposal.

### 6.4 Reference to other sections

Refer to section (8)

**Disclaimer**

The information provided in this datasheet is correct to the best of Filamentive Limited's knowledge and is intended for reference purposes only. The user assumes all responsibility for the use of all information and shall verify quality / properties as required for their specific use case. Filamentive Limited shall not be made liable for any damage, injury or loss induced from the use of materials in any application.

## 7. Handling and Storage

### 7.1 Handling

Avoid contact with skin and eyes. Employees should be protected from the possibility of contact with the molten filament during printing. Use personal protective equipment if necessary. In the process of printing, gases and vapours may be generated which may irritate the respiratory system, eyes and skin. It should be processed in a well-ventilated room.

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

Store in cool, dry place away from naked flames. Protect from sunlight. Store in a dry place.

## 8. Exposure Controls / Personal Protection

### 8.1 Exposure Control

#### **Appropriate Engineering Controls**

Where possible, local exhaust ventilation and good general room ventilation should be used. Provide adequate exhaust ventilation in places of dust formation.

#### **Individual protection measures, such as personal protective equipment**

##### **Eye Protection**

Tightly fitting safety goggles if necessary (EN166).

##### **Hand Protection**

To operate a hot product, heat resistant gloves if necessary (EN374).

##### **Skin and body protection**

For transport, hot, molten product - heat-resistant protective clothing.

##### **Respiratory Protection**

It is not required under normal conditions of use. In the case of loose dust / fumes use a breathing apparatus.

##### **Exposure Limits**

None established.

#### **Disclaimer**

The information provided in this datasheet is correct to the best of Filamentive Limited's knowledge and is intended for reference purposes only. The user assumes all responsibility for the use of all information and shall verify quality / properties as required for their specific use case. Filamentive Limited shall not be made liable for any damage, injury or loss induced from the use of materials in any application.

## 9. Physical and Chemical Properties

Appearance	Solid Filament
Odour	No information available
Colour	According to assortment
pH	No information available
Melting point/freezing point	140 - 160 °C
Initial boiling point and boiling range	No information available
Flash point	No information available
Flammability	Non-flammable mixture
Upper / lower flammability or explosive limits	Not applicable
Vapour pressure	No information available
Solubility(ies)	Insoluble in water
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	Not applicable
Density and/or relative density	No information available
Relative vapour density	No information available
Particle characteristics	No information available

## 10. Stability

### 10.1 Reactivity:

None expected under conditions of normal use.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None expected under conditions of normal use. When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined.

### 10.4 Conditions to avoid

Protect from direct sunlight, sources of fire and heat, except from processes connected direct use of products.

#### **Disclaimer**

The information provided in this datasheet is correct to the best of Filamentive Limited's knowledge and is intended for reference purposes only. The user assumes all responsibility for the use of all information and shall verify quality / properties as required for their specific use case. Filamentive Limited shall not be made liable for any damage, injury or loss induced from the use of materials in any application.

## 10.5 Incompatible materials:

Strong oxidizers and basis.

## 10.6 Hazardous decomposition products

Not known.

# 11. Toxicological Information

## 11.1 Information on Toxicological Effects – Regulation (EC) No 1272/2008

### **Principle routes of exposure**

Eye contact, skin contact, inhalation, ingestion.

### **Acute toxicity**

Not determined.

### **Local effects**

May cause eye/skin irritation. Product dust may be irritating to eyes, skin and respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

### **Specific effects**

May cause skin irritation and/or dermatitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Burning produces irritant fumes.

### **Mutagenic effects**

No data is available.

### **Reproductive toxicity**

No data is available.

### **Carcinogenic effects**

No data is available.

### **Target organ effects**

Not determined.

### **Ingestion**

No data is available.

### **Disclaimer**

The information provided in this datasheet is correct to the best of Filamentive Limited's knowledge and is intended for reference purposes only. The user assumes all responsibility for the use of all information and shall verify quality / properties as required for their specific use case. Filamentive Limited shall not be made liable for any damage, injury or loss induced from the use of materials in any application.

**Further information**

No information available.

## 12. Ecological Information

### 12.1 Ecotoxicity

It is not expected to be very toxic, but if ingested by birds or aquatic life, can cause adverse effects.

### 12.2 Persistence and degradability

No data for the mixture.

### 12.3 Bio accumulative potential

No bioaccumulative potential.

### 12.4 Mobility in soil

Product is not mobile in soil.

## 13. Disposal Considerations

Waste disposal is recommended in accordance with national and local regulations.

## 14. Transport Information

Not regulated.

## 15. Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Regulation (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

**Disclaimer**

The information provided in this datasheet is correct to the best of Filamentive Limited's knowledge and is intended for reference purposes only. The user assumes all responsibility for the use of all information and shall verify quality / properties as required for their specific use case. Filamentive Limited shall not be made liable for any damage, injury or loss induced from the use of materials in any application.

**Commission Regulation (EU) No 2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**Regulation (EC) No 1272/2008** of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

**European Parliament and Council Directive 94/62/EC** of 20 December 1994 on packaging and packaging waste as amended.

**Directive 2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

**Regulation (EU) No 2016/425** of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

**Commission Directive 2000/39/EC** of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Commission Directive 2006/15/EC** of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

**Commission Directive 2009/161/EU** of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

**Commission Directive 2017/164/EU** of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

**Commission Directive 2019/1831/EU** of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

## 15.2 Chemical Safety Assessment

No information available.

## 16. Other Information

The information contained in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information provided is only intended as

### Disclaimer

The information provided in this datasheet is correct to the best of Filamentive Limited's knowledge and is intended for reference purposes only. The user assumes all responsibility for the use of all information and shall verify quality / properties as required for their specific use case. Filamentive Limited shall not be made liable for any damage, injury or loss induced from the use of materials in any application.



# MATERIAL SAFETY DATA SHEET

a guide to safe handling, use, processing, storage, transport, disposal and release, and no warranty or quality specification should be taken into account. The information applies only to a specific material and may not be relevant for such material used in combination with other materials or other processes, unless otherwise specified in the text. Although some hazards are described in this document, we cannot guarantee that these are the only hazards that exist.

## **Disclaimer**

The information provided in this datasheet is correct to the best of Filamentive Limited's knowledge and is intended for reference purposes only. The user assumes all responsibility for the use of all information and shall verify quality / properties as required for their specific use case. Filamentive Limited shall not be made liable for any damage, injury or loss induced from the use of materials in any application.