



## Safety Data Sheet

### Inslogic WoodFill PLA Filament

According to GHS

**Version:** 1.0

**Issue date:** 09.24.2024

**Prepared by:** GB/T 16483 and GB/T 17951

**SDS record number:** SLFDM2105005

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Product form: 3D printing filament

Product Name: WoodFill PLA Filament

Product code: -

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

For use in 3D printers at recommended temperatures.

##### 1.3 Details of the supplier of the safety data sheet

Inslogic International Holding Co., Ltd.

3, 13/F, Grand City Plaza

1-17 Sai Lau Kok Road

Tsuen Wan, New Territories

Hong Kong

[www.inslogic3d.com](http://www.inslogic3d.com)

Contact: +852-6268-5255

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

No classified.

##### 2.2 GHS Label elements

Not Applicable.

##### 2.3 Other hazards

Not a PBT or vPvB substance or mixture.

#### SECTION 3: Composition/information on ingredients

##### 3.1 Substance/Mixture:

| Chemical Name      | CAS No    | EC No.    | Weight % |
|--------------------|-----------|-----------|----------|
| Additives          | -         | -         | 10       |
| Wood fiber         | -         | -         | 10-20    |
| Poly lactide resin | 9051-89-2 | 618-575-7 | 70-80    |

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

###### Following inhalation

If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.

###### Following skin contact:

Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

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### Following eye contact:

If irritation continues, seek medical attention.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

### Following ingestion:

Immediately give a glass of water.

First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

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

No additional information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide.

Unsuitable extinguishing media: None known.

### 5.2 Advice for firefighters

Alert Fire Brigade and tell them location and nature of hazard.

Wear breathing apparatus plus protective gloves.

Prevent, by any means available, spillage from entering drains or water courses.

Use water delivered as a fine spray to control fire and cool adjacent area.

### Fire/explosive hazards:

Combustible solid which burns but propagates flame with difficulty. Organic powders when finely divided over a range of concentrations regardless of particulate size or shape and suspended in air or some other oxidizing medium may form explosive dust-air mixtures and result in a fire or dust explosion (including secondary explosions).

### Fire incompatibility:

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.as ignition may result.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Sweep up to prevent slipping hazard.

#### For emergency responders

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

### 6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water systems.

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

Clean up promptly with scoop or vacuum. Sweep up and shovel into suitable containers for disposal.

### 6.4 Reference to other sections

No additional information available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation of the work station. Wear personal protective equipment.

Do not eat, drink, or smoke when using this product. Always wash hands after handling the product.

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

Store in a well-ventilated place. Keep cool.  
Keep containers securely sealed.  
Avoid contact with incompatible materials.  
Polyethylene or polypropylene container.  
Check all containers are clearly labelled and free from leaks.  
Packing as recommended by manufacturer.  
Avoid contamination of water, foodstuffs, feed or seed.  
Avoid reaction with oxidising agents.

### 7.3 Specific end uses

No additional information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

### 8.2 Exposure controls

#### Appropriate engineering controls

Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

#### Hand protection

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.

Suitability and durability of glove type is dependent on usage.

#### Skin and body protection

Impervious clothing.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Environmental exposure controls

Avoid release into the environment.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                 |                |
|-----------------|----------------|
| Physical state  | Solid          |
| Appearance      | Solid          |
| Colour          | Black          |
| Odour           | Odorlessness   |
| Odour threshold | Not applicable |
| pH              | Not applicable |
| Melting point   | Not applicable |
| Freezing point  | Not applicable |
| Boiling point   | Not applicable |

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|                               |                        |
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| Flash point                   | Not determined         |
| Relative evaporation rate     | Not applicable         |
| Flammability                  | Low                    |
| Explosion limits              | Not applicable         |
| Explosive properties          | Not applicable         |
| Oxidizing properties          | Not applicable         |
| Vapor pressure                | Not applicable         |
| Relative density              | 1.25 g/cm <sup>3</sup> |
| Relative vapor density at 20C | Not determined         |
| Solubility                    | Insoluble in water     |
| Log pow                       | Not determined         |
| Log kow                       | Not determined         |
| Auto-ignition temperature     | Not determined         |
| Decomposition temperature     | Not determined         |
| Viscosity                     | Not applicable         |
| Viscosity, kinematic          | Not applicable         |
| Viscosity, dynamic            | Not applicable         |

### 9.2 Other information

No other information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable when stored as recommended.

### 10.2 Chemical stability

Unstable in the presence of incompatible materials.

Product is considered stable.

Hazardous polymerisation will not occur.

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials.

### 10.5 Incompatible materials

Strong acids, strong bases.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

|                                   |                                                      |
|-----------------------------------|------------------------------------------------------|
| Acute toxicity                    | None known                                           |
| Skin corrosion/irritation         | Contact with molten material may cause thermal burns |
| Serious eye damage/irritation     | Contact with dust/fumes may cause irritation         |
| Respiratory or skin sensitisation | None known                                           |
| Germ cell mutagenicity            | Not determined                                       |
| Carcinogenicity                   | Not determined                                       |
| Reproductive toxicity             | Not classified                                       |

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STOT-single exposure

Not determined

STOT-repeated exposure

Not determined

### SECTION 12: Ecological information

#### 12.1 Toxicity

Not determined.

#### 12.2 Persistence and degradability

Not determined.

#### 12.3 Bioaccumulative potential

Not determined.

#### 12.4 Mobility in soil

Not determined.

#### 12.5 Results of PBT and vPvB assessment

Not applicable.

#### 12.6 Other adverse effects

No other information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. In accordance with local and national regulations. Do not contaminate ponds, waterways, or ditches with chemical or used container. For recycling, contact local waste disposal centers. A Hierarchy of Controls seems to be common - the user should investigate: reduction, reuse, recycling, disposal (if all else fails).

### SECTION 14: Transport information

ADR: Not regulated as dangerous goods.

RID: Not regulated as dangerous goods.

ADN: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

### SECTION 15: Regulatory information

#### 15.1 US federal regulations.

SARA 313: None.

#### 15.2 International regulations

Components are in compliance and/or are listed. The product needs to follow local regulations.

### SECTION 16: Other information

**List of abbreviations:** Not available.

**References:** Not available.

#### Disclaimer:

The information provided in this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release, and is not to be considered as a warranty or quality specification. The health and safety precautions contained herein may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely, and to comply with all applicable laws and regulations. Nothing contained herein shall be construed as a license for the use of any product in a manner that would infringe existing patents. The information relates only to the specific material designated, and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.