

# **MATERIAL DATA SAFETY SHEET**

Issued in Australia by Bilby 3D Pty Ltd.

The attached Material Data Safety Sheet has been prepared by the manufacturer outside Australia.

In accordance with Australia WHS regulations the following Australian contact details apply

## **Section 1: AUSTRALIAN COMPANY DETAILS**

In Australia the product is imported and distributed by:

Bilby 3D Pty Ltd

Mailing Address : PO Box 62 BEGA NSW 2550

Head Office Address : 452 Wyndham Lane Kanoona NSW 2550

Contact Phone: 1800 847 333

## **Section 2: AUSTRALIAN EMERGENCY CONTACT**

### **Emergency Contact**

In the event of an emergency please contact:

Poisons Information Centre 24 hour Telephone Advice Line on 13 11 26

## **Section 3: AUSTRALIAN ISSUE DATA**

**Date of Issue** : 1 March 2020



**Bilby 3D Pty Ltd**

**Version** 1.0

**Revision Date:** 04/11/2016

**MDSS for Professional PLA (PLAP)**

**Page** 1/4

**1. Product and Company Identification**

Product name	Bilby 3D PLA Pro/ Professional PLA (AKA Modified PLA) (3D Printer Filament)
Product code	PLAP175(color)(weight) Eg PLAP175White1
Application	3D Printing
Supplier	Bilby 3D Pty Ltd
Address	A5/2 Westall Road Clayton VIC 3168 (Australia)
Website	Bilby3D.com.au
Telephone:	1800 847 333

**2. Composition/Information on ingredients**

Chemical name	Content %	CAS NO.
Poly lactide Resin	90-98	9051-89-2
Acrylates Copolymer	2-10	141-32-2
Processing Additives	0-1	

**3. Hazards summarizing**

Health Effect	Prolonged and /or repeated contacts: Risk of skin sensitization When handled at high temperatures, can cause serious burns
Potential Health Effects	Eye contact: Contact with eyes may cause irritation. Skin contact: Substance may cause slight skin irritation. Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Inhalation: Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Low hazard for usual industrial or commercial handling. Target organ effects: There were no target organ effects noted following ingestion or dermal exposure in animal studies.
Specific Hazards/EC	No information available.
Flammability	Fine dust dispersed in air may ignite

**4. First Aid Measures**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
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**Bilby 3D Pty Ltd**

**Version** 1.0

**Revision Date:** 04/11/2016

**MDSS for Professional PLA (PLAP)**

**Page** 2/4

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 polymer.
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Ingestion	Drink water as a precaution. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician immediately.
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**5. Fire Fighting Measures**

Flammability	Auto ignition temperature: >350 °C
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Extinguishing Media	Foam. Water. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Alcohol resistant foams are preferred if available. General-purpose synthetic foams (including AFFF) or protein foams may function, but much less effectively.
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Specific Hazards	Above 300°C, possible formation of Styrene, Toluene, Ketones and Alcohols (small quantities) Formation of toxic products through combustion: Carbon oxides, Hydrogen bromide
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Fire Fighting Instructions	Keep people away, isolate fire area and deny unnecessary entry Cool surroundings with water to localize fire zone Cool containers/tanks with spray water. Water mist may be used to cool closed containers.
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**6. Accidental Release Measures**

Personal Protection	Use personal protective equipment. Remove all sources of ignition. Avoid dust formation. Do not breathe vapors/dust Sweep up to prevent hazard slipping
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Environmental	Do not flush into surface water of sanitary sewer system. Do not
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Precautions	allow material to contaminate ground water system.
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Methods For Cleaning Up	Shovel into suitable container for disposal.
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**7. Handling and Storage**

Handling	Prevent from fire around handling area. Workers should be protected from the possibility of contact with molten material during fabrication. Use personal protective equipment. Avoid accumulation of static charges during transfers in metallic systems. Use personal protective equipment.
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Storage	Store in cool place. Keep at temperatures below 60°C. No special restrictions on storage with other products.
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**Bilby 3D Pty Ltd**

**Version** 1.0

**Revision Date:** 04/11/2016

**MDSS for Professional PLA (PLAP)**

**Page** 3/4

**8. Exposure Controls/Personal Protection**

Engineering Controls	Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide appropriate exhaust ventilation at places where dust is formed.
Eye protection	Wear safety glasses for general purpose
Hand protection	Wear gloves (product handled in molten state)
Skin and body protection	Wear protective clothing (product handled in molten state)
Hygiene Measures	Avoid contact with skin, eyes, and clothing.

**9. Physical And Chemical Properties**

Appearance	Solid (pellets)
Color	Opaque
Odour	Sweet
Boiling point/Range	Not applicable
Vapour Pressure	Not applicable
Solubility In Water	Insoluble
Specific Gravity	>1

**10-Stability And Reactivity**

Stability	Combustible gases are released at the temperature over 230°C
Materials	Strong oxidizers
Hazardous Decomposition	Burning produces obnoxious and toxic fumes. Aldehydes. Carbon
Products	monoxide. Carbon dioxide.
Polymerization	Not applicable.

**11-Toxicological Information**

See section 3 for potential health effects. For detailed toxicological data, write or call the address or emergency number shown in section 1

**12-Ecological Information**

Mobility.	No data available.
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**Bilby 3D Pty Ltd**

**Version** 1.0

**Revision Date:** 04/11/2016

**MDSS for Professional PLA (PLAP)**

**Page** 4/4

Bioaccumulation	Bioaccumulation: Does not bioaccumulate. Inherently biodegradable.
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**13-Disposal Considerations**

Controlled incineration or landfill according to local, state or national laws and regulations concerning health and pollution.

**14-Transport Information**

ADR/RID	Not regulated
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AND/ADNR	Not regulated
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IMDG	Not regulated
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IATA	Not regulated
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**15-Regulatory Information**

WEEE/ROHS DIRECTIVE	CONFORMS
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INVENTORIES	EINECS (EU): Conforms TSCA (USA): Conforms DSL (Canada): Conforms AICS (Australia): Conforms ECL (Korea): Conforms
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**16-Other Information**

This message is based on our present knowledge. However this will not constitute a guarantee for any specific products features and should not establish a legally valid contractual relationship.