



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 :

Kingsgrove Business Centre, 7/192 Kingsgrove Rd, Kingsgrove NSW 2208

Head Office Address :

Kingsgrove Business Centre, 7/192 Kingsgrove Rd, Kingsgrove NSW 2208

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

MATERIAL SAFETY DATA SHEET

B3D 3D printing UV photosensitive resin
Bilby3D Pty Ltd.

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Section 1. Product and Company Identification**Product identifier****Product Name:**

B3D Water-Washable LCD 3D Printer Resin

Recommended use:

3D Printing UV Sensitive Resin

Manufacture/Supplier:

Bilby3D Pty Ltd.

Address:

Kingsgrove Business Centre, 7/192 Kingsgrove Rd, Kingsgrove NSW 2208, WA, Australia

E-mail:

reception@b3d.com.au

Website:

<http://www.b3d.com>

MATERIAL SAFETY DATA SHEETB3D 3D printing UV photosensitive resin
Bilby3D Pty Ltd.**Section 2. Composition/Information on Ingredients**

Chemical name or trivial, common or generic name	CAS No.	Content(%)
Acrylated aliphatic urethane	101162-60-1	40~48
Urethane acrylate	68987-79-1	5~7
Monomer	5117-12-4	37~42
Photoinitiator	75980-60-8	1.2~2.77
Pigment	-	0.1~0.23

Section 3. Hazards Identification**Potential health effects:**

Harmful if swallowed.

Causes skin irritation

May cause an allergic skin reaction.

Causes eye irritation.

Any other product-specific hazards classification: N/A**Section 4. First-aid Measures****Inhalation:**

Remove to fresh air. If breathing is difficult, get medical attention.

Skin contact:

Wash with plenty of soap and water. Consult a physician.

Eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 15 minutes. If irritation persists, get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Get medical attention.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5. Fire-fighting Measures

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Extinguishing media:

This product is not hypergolic, use carbon dioxide or dry chemical for small fires; aqueous foam or water spray for large fires.

Specific hazards arising from the chemical:

In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special precautions for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Remarks:

This material will support combustion if ignited

Section 6. Accidental release measures**Personal precautions:**

For large spills wear gloves, safety glasses. Keep unnecessary personnel away.

Environmental precautions:

Prevent discharge to open waters.

Method of cleaning up:

Take up with liquid-absorbent material. Forward for disposal and clean up affected area.

Section 7. Handling and storage**Handling information:**

Avoid contact with the eyes, skin and clothing. Avoid breathing dust or fumes. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Do not reuse containers. Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.

Storage information:

Store in a cool (<131°F / <55°C), well ventilated location, away from heat, flame, light or other incompatible materials. Avoid freezing the material.

Section 8. Exposure controls personal protection**Personal precautions**

MATERIAL SAFETY DATA SHEETB3D 3D printing UV photosensitive resin
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The usual precautions taken when handling chemicals should be observed. Refer to product data sheet for recommended specific use. Do not inhale vapors, do not get in eyes, on skin or clothing. Wash hands thoroughly after handling.

Personal protection**Respiratory protection:**

Required when vapors/aerosols are generated. Preferably work in a chemical fume hood or wear adequate mask with filter.

Skin protection:

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Wear chemical goggles, a face shield, and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing promptly and wash before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash skin thoroughly after handling.

Eye/Face protection:

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Sections 9. Physical and chemical properties

Appearance:	Liquid	Autoflammability:	N/D
Color:	Colored	Flashing point:	>93°C/199.4F
Odor:	Peculiar smell	Explosion limits:	N/D
pH(20°C):	N/D	Vapor pressure:	N/D
Viscosity:	110-150 cps at 25°C/77F	Relative density:	1.05-1.125g/cm ³ at 25°C/77F
Boiling range:	N/D	Solubility in water:	Nearly insoluble in water.
Melting point:	N/D	logp(o/w):	N/D

Sections 10. Stability and reactivity**Chemical stability:**

The product is stable when stored under the recommended conditions.

Possibility of hazardous reactions/Conditions to avoid:

Hazardous reactions will not occur. Avoid heat and light.

Incompatible materials:

Amines, oxidizing materials and peroxides.

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Sections 11. Toxicological information**Acute toxicity****Ld/Lc50 values relevant for classification:**

No data available

Skin irritation/corrosion:

No data available

Eye danger/irritation:

No data available

Respiratory or skin sensitization:

No data available

Reproductive cell mutagenicity:

No data available

Carcinogenicity:

No data available

Reproductive toxicity:

No data available

Sections 12. Ecological information**Biologic degradation:**

No data available

Behavior in environmental compartments:

No data available

Eco-toxic effects:

No data available

Sections 13. Disposal considerations**Waste disposal****Recommendation:**

Dispose of in accordance with federal, state and local regulations.

Packaging**Recommendation:**

Disposal in accordance with local provisions. Contaminated packages should be treated the same as the product itself.

Sections 14. Transport information

MATERIAL SAFETY DATA SHEETB3D 3D printing UV photosensitive resin
Bilby3D Pty Ltd.**UN number:**

Not regulated

UN proper shipping name:

Not regulated

Transport hazard class:

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Other requirements:

Not regulated

Sections 15. Regulatory information

List of Goods banned for Importing

None of the components are listed.

List of Goods banned for Exporting

None of the components are listed.

List of Toxic Chemicals Severely Restricted for Importing&Exporting by China

None of the components are listed.

Inventory of Highly Toxic Chemicals

None of the components are listed.

Catalogue of Hazardous Chemicals of Priority Management

None of the components are listed.

Chemical Weapon Convention List Schedules I,II&III Chemicals

Not listed.

Montreal Protocol(Annexes A,B,C,E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent(PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

*Not listed.***Sections 16. Other information**

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the



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properties of the product. We make no warranty express or implied, with respect to the information and assume no liability. Product users should determine the suitability of this information for their own uses.

