



Material Safety Data Sheet

This MSDS is authoring based on the data supplied by and identified on behalf of the client.

Sample Name: 3D Printing Material

Client Name: Aidite (Qinhuangdao) Technology Co.,Ltd.

Client Address: No. 9 Dushan Road, Economic and Technological
Development Zone, Qinhuangdao City China

MSDS No.: 96671993

Issue Date: January 4, 2023

Signed for and on behalf of

UG (Shenzhen) Co., Ltd.



David Chen

Approved signatory

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1. Identification of the Substances/Preparation and of the Company/Undertaking

Product Details

Product Name: 3D Printing Material

Manufacturer: Aidite (Qinhuangdao) Technology Co.,Ltd.

Address: No. 9 Dushan Road, Economic and Technological Development Zone, Qinhuangdao City China

Emergency contact number: +86-335-8587898

2. Hazards Identification

Classification of the substance or mixture

Skin sensitization(Category 1), H317

Eye damage(Category 1), H318

Specific target organ toxicity - repeated exposure (Category 2), H373

GHS Labels:

Symbol:



Signal Word:

Danger

Hazard Statement:

H317 May cause an allergic skin reaction

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s)

P260 Do not breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response Precautionary Statements:

P314: Get Medical advice/attention if you feel unwell

P302+352: IF ON SKIN: Wash with soap and water

P333 + P313: If skin irritation or a rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P310: Immediately call a POISON CENTER or doctor/physician

Storage Precautionary Statements:

None.

Disposal Precautionary Statements:

P501: Dispose of contents and container to an approved waste disposal plant.

3. Composition/Information on Ingredients

Chemical Characterization

Substance ☐ Preparation ☒ Article ☐

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Composition:

Substance	CAS #	Amount%
Acrylic resin	-	≥42%
ACMO	5117-12-4	≥20%
UDMA	72869-86-4	≥15%
TEGDMA	109-16-0	≥18%
Photoinitiator	-	≥3%
Accelerator	-	≥1%
Brightener	-	≥0.2%
Color paste	-	0.8%

4. First-Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation occurs and persists, contact a doctor.

Skin Contact: Remove and isolate contaminated clothing and shoes. Wash off with soap and plenty of water. If irritation occurs and persists, contact a doctor.

Inhalation: Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician attention and get medical immediately.

Advice to doctor: Treat symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture: Decomposition products formed under fire conditions. - Carbon oxides etc..

Advice for firefighters: Wear self-contained breathing apparatus and standard firefighting equipment for firefighting if necessary. Use water spray to cool down unopened container involved in fire. Collect contaminated firefighting water and disposal refer to section 13.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapours, mist or gas. Avoid contact with skin and eyes. Remove all sources of ignition. For personal protection see section 8.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

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7. Handling and Storage

Handling

Advice on Safe Handling:

Use in well-ventilated condition. Avoid inhalation of vapor or mist.

Avoid contact with skin and eyes.

Use suitable personal protective equipment.

See section 2.2 for more precautions

Storage

Requirements for Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

Exposure Limits: not established.

Engineering Controls: Provide appropriate exhaust ventilation. Provide safe shower and eye wash fountain.

Personal protective equipment:

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eyes Protection: Use equipment for eye protection if liquid in-eye risk exists.

Body Protection: Complete suit protecting against chemicals.

Hands Protection: Handle with chemical-resistant gloves.

Other Protections: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

General Information

Form:	Liquid
Odor:	Weak odor
pH:	N/A
Melting Point/Range:	N/A
Boiling Point/Range:	N/A
Percent Volatility:	N/A
Flash Point:	N/A
Density(water=1):	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Evaporation Rate:	N/A
Solubility in Water:	Insoluble in water.
Explosion Limits in Air - Upper :	N/A
Explosion Limits in Air - Lower:	N/A

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10. Stability and Reactivity

Stability: Stable under normal temperature and pressure.

Hazardous reactions: None hazardous reactions known.

Incompatibility (Materials to Avoid): Strong oxidizing materials.

Conditions to Avoid: Keep away from open flames, hot surfaces, sources of ignition.

Hazardous Decomposition and/or Combustion Products: Other decomposition products - no data available. In the event of fire: see section 5.

11. Toxicological Information

Acute Toxicity:

No data available.

Skin Corrosion/Irritation:

Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation:

Causes serious eye damage.

Respiratory or Skin Sensitization:

May cause an allergic skin reaction

Germ Cell Mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive Toxicity:

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard:

May be fatal if swallowed and enters airways

Potential Health Effects:

Inhalation: may be harmful if inhaling vapor.

Skin Contact: May cause skin irritation.

Eye Contact: Cause eye damage if liquid in-eye.

Ingestion: May be harmful if ingested.

12. Ecological Information

Ecotoxicity: No data available.

Bioaccumulative potential: No data available.

Persistence and Degradability: No data available.

Results of PBT and vPvB assessment: PBT: Not applicable. vPvB: Not applicable.

Other adverse effects: Harmful to aquatic environment and with long-time effect. Do not release to drains and water source without the permission of government.

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13. Disposal Considerations

Safe handling and methods of disposal

Recycle if possible. Observe all federal, state, and local environmental regulations. Offer surplus and non-recyclable products to a licensed disposal company.

14. Transport Information

ADR/RID Information

ADR-UN Number: Not classified for transport

ADR-Class: Not classified for transport

ADR-Shipping Name: Not classified for transport

ADRPacking Group: Not classified for transport

IATA/ICAO Information

IATA-UN Number: Not classified for transport

IATA-Class: Not classified for transport

IATA-Shipping Name: Not classified for transport

IATA-Label: None

IATA-Packing Group: Not classified for transport

IATA-S.P.: None

IATA-ERG: None

IMO/IMDG Information

IMDG-Marine Pollutant: No

IMDG-UN Number: Not classified for transport

IMDG-Class: Not classified for transport

IMDG-Shipping Name: Not classified for transport

IMDG-Packing group: Not classified for transport

IMDG-Storage Category: Not classified for transport

15. Regulatory Information

International Regulations

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

No information available.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. Other Information

Abbreviations:

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds

pH - Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline

OSHA- Occupational Safety and Health Administration

NTP – National Toxicology Program

IARC- International Agency for Research on Cancer

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ACGIH – The American Conference of Governmental Industrial Hygienists

ADR –Agreement on Dangerous Goods by Road

RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail

ICAO –International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IMO – International Marine Organization

Further Information:

-This safety data sheet was prepared in accordance with UN GHS Rev.8 and OSHA Hazard Communication Standards (29 CFR 1910.1200).

-This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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*****End*****