



Safety Data Sheet

This SDS 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
SDS No.: 50852121
Issue Date: January 1, 2025

Signed for and on behalf of
UG (Shenzhen) Co., Ltd.

A circular blue ink stamp of UG (Shenzhen) Co., Ltd. is overlaid on the signature. The stamp contains the company name in English 'UG (SHENZHEN) CO., LTD.' and Chinese characters '优谷(深圳)有限公司'. In the center of the stamp is the 'UG' logo. A handwritten signature in black ink is written across the stamp.

David Chen
Approved signatory

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To check the authenticity or retrieve the electronic version of the SDS, scan QR code or log on to <http://www.ug-msds.com/retrieval>.

The information and recommendations set forth are made in good faith and believed to be accurate as of the date of preparation. We make no warranty, expressed or implied, with respect to this information and disclaim all liabilities from reliance on it.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519
3D Printing Material

Version 1.0
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : 3D Printing Material

1.2 Details of the supplier of the safety data sheet

Company : Aidite (Qinhuangdao) Technology Co.,Ltd.
No. 9 Dushan Road, Economic and Technological Development
Zone, Qinhuangdao City, China

1.3 Emergency telephone

Emergency Phone # : +86 335 8587898

1.4 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : For purpose recommended in product manual only.

SECTION 2: Hazards identification

2.1 GHS Classification

Acute toxicity, Oral (Category 4), H302
Serious eye damage (Category 1), H318
Skin sensitization (Category 1), H317
Specific target organ toxicity - repeated exposure, Oral (Category 2), H373
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard statement(s)

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

Precautionary statement(s)

P260 Do not breathe mist or vapors.
P280 Wear protective gloves/ eye protection/ face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/ attention if you feel unwell.

Supplemental Hazard
Statements

none

2.3 Physical and chemical hazards

Referring to current information, no physical or chemical hazard.

2.4 Health hazards

H302 Harmful if swallowed.
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2.5 Environmental hazards

Referring to current information, no environmental hazard.

2.6 Other hazards - none

SECTION 3: Composition/information on ingredients

Substance / Mixture : mixture

3.2 Mixtures

Chemical name	CAS	Amount(%)
Acrylic resin	-	>=42
ACMO	5117-12-4	>=20
TEGDMA	109-61-0	>=18
UDMA	72869-86-4	>=15
Photoinitiator	-	>=3
Accelerator	-	>=1
Color paste	-	0.8
Brightener	-	>=0.2

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air. Call in physician.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

In case of eye contact

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

4.4 Notes to physician

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

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5.2 Special hazards arising from the substance or mixture

Carbon oxides

Nitrogen oxides (NO_x)

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material. Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed.

Light sensitive.

Storage class

Storage class (TRGS 510): 10: Combustible liquids

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

8.2 Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate

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government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

Skin protection

required

Body Protection

protective clothing

Respiratory protection

required when vapours/aerosols are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type ABEK

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|---|--|
| a) Physical state | liquid |
| b) Color | yellow |
| c) Odor | No pungent smell |
| d) Melting point/freezing point | No data available |
| e) Initial boiling point and boiling range | No data available |
| f) Flammability (solid, gas) | No data available |
| g) Upper/lower flammability or explosive limits | No data available |
| h) Flash point | No data available |
| i) Autoignition temperature | No data available |
| j) Decomposition temperature | No data available |
| k) pH | Not applicable |
| l) Viscosity | Viscosity, kinematic: 600mPa.w@25°C
Viscosity, dynamic: No data available |
| m) Water solubility | Insoluble |
| n) Partition coefficient: n-octanol/water | No data available |
| o) Vapor pressure | Not applicable |
| p) Density | 1.10-1.13 |
| Relative density | 1.10-1.13 |

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- | | |
|-----------------------------|---------------------|
| q) Relative vapor density | Not applicable |
| r) Particle characteristics | Not applicable |
| s) Explosive properties | No explosion hazard |
| t) Oxidizing properties | Non oxidizing |

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.2 Possibility of hazardous reactions

No data available

10.3 Conditions to avoid

Strong heating.

10.4 Incompatible materials

Strong oxidizing agents Polymerizing initiators, Free radical initiators, Peroxides

10.5 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Mixture

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

Risk of serious damage to eyes.

Respiratory or skin sensitization

May cause sensitization by skin contact.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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SECTION 16: Other information

Full text of H-Statements referred to under section 2.

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We shall not be held liable for any damage resulting from handling or from contact with the above product.