

# SAFETY DATA SHEET FOR CHEMICAL PRODUCTS (SDS)

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**Applicant Name** :

**Applicant Address** :


**Product Name** : 3D photopolymer resin

**Received Date** : January 7, 2020

**Compilation Period** : January 7, 2020 to January 10, 2020

**Regulatory Requirements** : As requested by the applicant, the Safety Data Sheet is prepared according to *Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev\_8 (2019)* .

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by:   
Manager



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## SECTION 1. Identification of the substance/preparation and company

- 1.1 Product Identification : 3D photopolymer resin
- 1.2 Model No. : /
- 1.3 Recommended Use : 3D Printer Supplies
- 1.4 Manufacturer Name :
- 1.5 Manufacturer Address :
- 1.6 Manufacturer Tel :
- 1.7 Manufacturer Fax : /
- 1.8 Manufacturer Email :
- 1.9 Emergency Phone :

## SECTION 2. Hazards identifications

### 2.1 Hazard Class:

According to *Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev\_7* (part 2~4), classification of risk categories.

This product has no risk classification.

### 2.2 Pictograms:

None

### 2.3 Signal word:

None

### 2.4 Hazard description:

None

### 2.5 Precautionary description:

None

## SECTION 3. Composition / information on ingredients

Ingredient(s) of the product: Mixture

Substance name	Conc. (%)	CAS. No
Epoxy acrylate resin	40-50	61788-97-4
Monomer	20-40	13048-33-4
Color pigment	2-5	/
Photoinitiators	3-55	947-19-3

## SECTION 4. First aid measures

General advice: Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

### 4.1 Following inhalation:

No inhalation hazard.

### 4.2 Following skin contact:

Harmless to skin.

### 4.3 Following eye contact:

In case of contact may cause irritation, immediately flush eyes with plenty of water for at least 15 minutes.

### 4.4 Following ingestion:

If ingestion rinse the mouth with water.

## SECTION 5. Firefighting measures

### 5.1 Hazardous Characteristics:

This product has no fire hazard.

### 5.2 Extinguishing Media:

Dry powder, Chemical foam, Carbon dioxide, water mist.

### 5.3 Firefighting procedures:

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full



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protective gear.

#### 5.4 Hazardous combustion products:

None

### SECTION 6. Accidental release measures

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

Wear appropriate protective measures (SEE SECTION 8).

#### 6.2 Environmental precautions:

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

#### 6.3 Cleaning method:

Remove by liquid absorbing material (e.g. kieselguhr). Adhered or collected material should be promptly disposed of. Disposal of discarded waste/pollutants refers to SECTION 13.

### SECTION 7. Safe handling and storage

#### 7.1 Handling Notes:

Keep indoor ventilation or local exhaust device.

#### 7.2 Storage Notes:

Stored in cool and dry condition.

Do not store with incompatible material (see section 10.2)

### SECTION 8. Exposure controls / personal protection

#### 8.1 Occupational Exposure Limit:

No information found.

#### 8.2 Engineering Control:

None

#### 8.3 Personal Protection:

Harmless, operated directly by hand.



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#### 8.4 Sanitary Measure:

Forbid smoking, eating and drinking in working places. Washing hands after handling products.

### SECTION 9. Physical and chemical properties

Appearance and Color	Colorless clear liquid
Odour	Esters
PH value	6.8-7.2
Flammability	Noncombustible
Density(g/cm <sup>3</sup> )	0.95—1.15
Relative steam density (air = 1)	>1
Vapor pressure(MPa)	<0.01mmHg
Octanol/water partition coefficient	No Data
Viscosity	100-150mpa.s 25°C
Flash point(°C,Closed cup)	> 250
Boiling point(°C)	140
Melting point (°C)	-60
Evaporation rate (kg/s)	No Data
UEL %(V/V)	No Data
LEL %(V/V)	No Data
Auto-ignition temperature(°C)	> 450
Decomposition temperature(°C)	>250
Solubility	Insoluble in water, soluble in benzene, alcohol, ether and other organic solvents

### SECTION 10. Stability and reactivity

#### 10.1 Stability:

Stable under recommended storage and handling conditions (See section 7).

#### 10.2 Material for avoiding:



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Strong oxide, acid and alkali.

**10.3 Contact conditions for avoiding:**

Sunlight, high temperature.

**10.4 Hazardous decomposition products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11. Toxicological information

**11.1 Acute toxicity:**

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

**11.2 Skin corrosion/irritation:**

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

**11.3 Serious eye damage/irritation:**

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

**11.4 Respiratory or skin sensitisation:**

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

**11.5 Germ cell mutagenicity:**

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

**11.6 Carcinogenicity:**

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

**11.7 Reproductive toxicity:**

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

**11.8 STOT-single exposure:**

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

**11.9 STOT-repeated exposure:**

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

**11.10 Aspiration hazard.:**

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

## SECTION 12. Ecological information



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**12.1 Toxicity:**

No data available.

**12.2 Persistence and degradability:**

No data available.

**12.3 Bioaccumulative potential:**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Other Dangers:**

No data available.

## SECTION 13. Disposal considerations

**13.1 Handling method for waste:**

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

**13.2 Handling method for uncleaned packaging**

Processing as general waste processing after the empty container.

## SECTION 14. Transport information

This is not classified as a hazardous/dangerous material under IATA, IDMG, DOT regulations.

<b>Packaging Label</b>	None
<b>UN NO</b>	None
<b>Technical name</b>	None
<b>Transport hazard class</b>	None
<b>Subsidiary hazard class</b>	None
<b>Packing group</b>	None

## SECTION 15. Regulatory information



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Hazardous chemicals catalog  
Dangerous Goods Number Of United Nations  
Classification and code of dangerous goods  
Occupational Safety and Health Act (OSHA)  
The principle of classification of transport packaging groups of dangerous goods  
In accordance with all local laws.

## SECTION 16. Other information

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use, this information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

\*\*\*\*\* END \*\*\*\*\*



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