

Report No. NB2019070845

Date: July 8, 2019

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Applicant Name : SHENZHEN ANYCUBIC TECHNOLOGY CO., LTD

Applicant Address : 11 BLD, YINHAI INDUSTRIAL PARK, YUANSHAN STREET,
LONGGANG DISTRICT, SHENZHEN, GUANGDONG PROVINCE


Product Name : 3D light-cured resin

Received Date : July 4, 2019

Compilation Period : July 4, 2019 to July 8, 2019

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_7.

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 light-cured resin
1.2 Model No.	: /
1.3 Recommended Use	: 3D printer
1.4 Manufacturer Name	: SHENZHEN ANYCUBIC TECHNOLOGY CO., LTD
1.5 Manufacturer Address	: 11 BLD, YINHAI INDUSTRIAL PARK, YUANSHAN STREET, LONGGANG DISTRICT, SHENZHEN, GUANGDONG PROVINCE
1.6 Manufacturer Tel	: 13922880347
1.7 Manufacturer Fax	: +86-755-61148993
1.8 Manufacturer Email	: INFO@JAMGHE.COM
1.9 Emergency Phone	: 13922880347

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.

H301: Acute toxicity, oral, category 3

Skin corrosion/irritation, category 2

Serious eye damage/eye irritation, category 2A

Specific target organ toxicity, single exposure; Respiratory tract irritation, category 3

Hazardous to the aquatic environment, acute hazard, category 1

Hazardous to the aquatic environment, long-term hazard, category 1

2.2 Pictograms:



2.3 Signal word:



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Warning

2.4 Hazard description:

- H315 Causes skin irritation.
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

2.5 Precautionary description:

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash ... thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 3. Composition / information on ingredients

Ingredient(s) of the product: Mixture

Substance name	Conc. (%)	CAS. No
Polyurethane acrylate	30-60	82116-59-4
Acrylate Monomer	10-40	29590-42-9
Photoinitiator	2-5	/

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:

Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately

4.2 Following skin contact:



Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feeling uncomfortable.

4.3 Following eye contact:

In case of contact may cause irritation, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician immediately if eyes are hurt.

4.4 Following ingestion:

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

SECTION 5. Firefighting measures

5.1 Hazardous Characteristics:

Will form explosive mixtures with air.

5.2 Extinguishing Media:

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

5.3 Firefighting procedures:

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

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

Extinguish fire in a safe distance with enough protection

Prevent fire extinguishing water from contaminating surface water or the ground water system.

5.4 Hazardous combustion products:

Carbon monoxide.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective measures (SEE SECTION 8).

Avoid inhaling vapors and contacting with skin and eye.

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.
Stay away from heat and direct sunlight.

7.2 Storage Notes:

Stored in cool and dry condition.
Stored in compatible containers.
Do not store with incompatible material (see section 10.2)

SECTION 8. Exposure controls / personal protection

8.1 Occupational Exposure Limit:

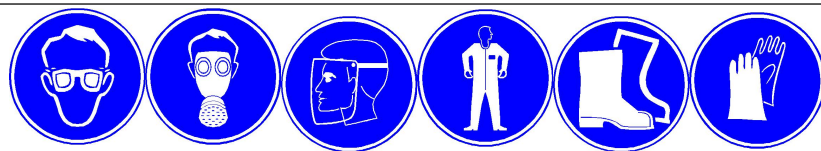
No information found.

8.2 Engineering Control:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.
Ensure that eyewash stations and safety showers are proximal to the work-station location.

8.3 Personal Protection:

General requirement:



Respiratory:	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Eyes:	Wear protective goggle (Conform to EC EN 166 or US-NIOSH).
Hands:	Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.

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	Transplant clear liquid
Odour	Odorlessness
PH value	No Data
Flammability	Moncombustible
Density(g/cm³)	0.8-0.9
Relative steam density (air = 1)	Not Applicable
Vapor pressure(MPa)	No Data
Octanol/water partition coefficient	No Data
Viscosity	1.54
Flash point(°C,Closed cup)	90
Boiling point(°C)	238
Melting point (°C)	No Data
Evaporation rate (kg/s)	No Data
UEL %(V/V)	No Data
LEL %(V/V)	No Data
Auto-ignition temperature(°C)	252



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Decomposition temperature(°C)	No Data
Solubility	Negligible

SECTION 10. Stability and reactivity

10.1 Stability:

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

10.2 Material for avoiding:

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:

Substance	Route of exposure	Species observed	Dose/Duration	Reaction severity
Acrylate Monomer	Administration onto the skin	Rodent - rabbit	100 mg	Mild

11.3 Serious eye damage/irritation:

Causes serious eye irritation.

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

12.1 Toxicity:

Acrylate Monomer rank as:

Hazardous to the aquatic environment, acute hazard, category 1

Hazardous to the aquatic environment, long-term hazard, category 1

12.2 Persistence and degradability:

High-strength and non-degradability

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.

Suggestions recycling/burning/landfill/ based on corresponding regulations.

13.2 Handling method for uncleaned packaging

Processing as general waste processing after the empty container.

SECTION 14. Transport information

Packaging Label	 
UN NO	3082
Technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class	9
Subsidiary hazard class	None
Packing group	III
Marine pollutant	Yes

SECTION 15. Regulatory information

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.

Sample picture:

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