

SAFETY DATA SHEET FOR CHEMICAL PRODUCTS (SDS)

Report No. NB20201027100E(R1) Date: Jan 6, 2020 Page: 1/10

Applicant Name : SHENZHEN ANYCUBIC TECHNOLOGY CO.,LTD

Applicant Address : Room 101-501,Building No.11,Yinhai Industrial Park,Yinhe Community,Yuanshan Street,Longgang District,Shenzhen, Guangdong,China

Product Name : 3D PRINTING UV SENSITIVE RESIN

Preparation Date : Jan 1, 2020


Review Period : Jan 2, 2020 to Jan 3, 2020

Revision Period : Jan 4, 2020 to Jan 5, 2020

Issue Period : Jan 5, 2020 to Jan 6, 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_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 Printing UV Sensitive Resin
1.2 Model No.	:	/
1.3 Recommended Use	:	3D printer
1.4 Manufacturer Name	:	SHENZHEN ANYCUBIC TECHNOLOGY CO.,LTD
1.5 Manufacturer Address	:	ROOM 101-501,BUILDING NO.11,YINHAI INDUSTRIAL PARK, YINHE COMMUNITY,YUANSHAN STREET, LONGGANG DISTRICT, SHENZHEN, GUANGDONG, CHINA
1.6 Manufacturer Tel	:	13825610205
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_6* (part 2~4), classification of risk categories.

H315: Skin Irrit. Category 2

H319: Eye Irrit. Category 2

H335: STOT SE Category 2

2.2 Pictograms:



2.3 Signal word:

Warning

2.4 Hazard description:



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Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Toxic to aquatic life with long lasting effects.

2.5 Precautionary description:

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/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	51852-81-4
Acrylate Monomer	10-40	29590-42-9
Photoinitiator	2-5	106797-53-9

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



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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:

May emit poisonous fumes on fire.
Containers may explode when heated.

5.2 Extinguishing Media:

Dry powder, bubbles of carbon dioxide, water mist.

5.3 Firefighting procedures:

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
Fight fire from a safe distance, with adequate cover.
Prevent fire extinguishing water from contaminating surface water or the ground water system

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).
Ensure adequate ventilation.
Remove all sources of ignition.

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.
Prevent further leakage or spillage if safe to do so.
Discharge into the environment must be avoided.



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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:

Wear protective gloves/eye protection/face protection.

7.2 Storage Notes:

Keep indoor ventilation or local exhaust device.

Keep cool and dry. Prevent electrostatic.

Stored in airtight and 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:	<p>Wearing protective masks.</p> <p>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.</p>
Eyes:	Wear protective goggle (Conform to EC EN 166 or US-NIOSH).



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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	Transparent clear liquid
Odour	Odorlessness
PH value	No Data
Flammability	Noncombustible
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	Insoluble in water, soluble in alcohol

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 and static electricity.

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:

Substance	Isooctyl acrylate
Type of test	LD50 - Lethal dose, 50 percent kill
Route of exposure	Oral
Species observed	Rodent - rat
Dose/duration	2650 mg/kg

11.2 Skin corrosion/irritation:

Substance	Isooctyl acrylate
Type of test	Open irritation test



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Route of exposure	Administration onto the skin
Species observed	Rodent - rabbit
Dose/duration	500 mg/24H
Reaction severity	Mildly

11.3 Serious eye damage/irritation:

Substance	Isooctyl acrylate
Type of test	Standard Draize test
Route of exposure	Administration into the eye
Species observed	Rodent - rabbit
Dose/duration	500 mg/24H
Reaction severity	Mildly

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.



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SECTION 12. Ecological information

12.1 Toxicity:

This product does not contain special materials. According to the environmental protection laws, this product can't be poured into sewers or drainage ditches, can't be discarded in those places which would affect soil and underground water.

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:

Send to the specific landfill or processing places which stipulated by environment protection administration.

13.2 Handling method for uncleaned packaging

Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

SECTION 14. Transport information

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

Packaging Label	None
UN NO	None
Technical name	None



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Transport hazard class	None
Subsidiary hazard class	None
Packing group	None
Marine pollutant	Yes

Attention Notes: None

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.

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