

Report No. TXB20220829RY301

Date: Aug.29,2022

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Applicant Name : Guangdong GratKit Smart Equipment Co., Ltd.

Applicant Address : 1-2 Floor, Workhouse 4D3-1, Yangchun Industry-Transfer Industrial Park,
Chuncheng Subdistrict, Yangchun, Yangjiang, China.

Product Name : PLA 3D Printing Consumables

Model : K004-BLK, K004-WHT, K004-GRY, K004-RED, K004-ORG, K004-YEL, K004-GRN, K004-CYN
K004-BLU, K004-PUR

Received Date : Aug.20 , 2022

Compilation Period : Aug .20,2022 to Jul.29,2022

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 TXB Rhenland Testing Services Crop Limited

Approved by:

Leman

Manager



SECTION 1. Identification of the substance/preparation and company

Product Identification	: PLA 3D Printing Consumables
Model No.	: K001-BLK, K001-WHT, K001-GRY, K001-RED, K001-ORG, K001-YEL, K001- GRN, K001-CYN, K001-BLU, K001-PUR, K002-LPK, K002-BBE, K002-LYW, K002-LGN, K003-GGN, K003-GBE, K003-GWE, K003-GRD, K005
1.1 Recommended Use	: 3D Printer Supplies
1.2 Manufacturer Name	: Guangdong GratKit Smart Equipment Co., Ltd.
1.3 Manufacturer Address	: 1-2 Floor, Workhouse 4D3-1, Yangchun Industry-Transfer Industrial Park, Chuncheng Subdistrict, Yangchun, Yangjiang, China.
1.4 Manufacturer Tel	: 13316496181
1.5 Manufacturer Fax	: /
1.6 Manufacturer Email	: support@gratkit.com

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	39-54	61788-97-4
Monomer	21-41	13048-33-4
Color pigment	3-5	/
Photoinitiators	2-55	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

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.

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/cm³)	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:

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

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.

Packaging Label	None
UN NO	None
Technical name	None
Transport hazard class	None
Subsidiary hazard class	None
Packing group	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.

***** END *****