



# MSDS REPORT

Report No.: UTLR23126494  
Report Date: Jan.03, 2024

Password:PW0264  
Page 1 of 7

**Applicant** : SHENZHEN ELEGOO TECHNOLOGY CO., LTD.  
**Address** : 101, NO. 30, DAHE INDUSTRIAL ZONE, GUANCHENG  
COMMUNITY, GUANHU STREET, LONGHUA DISTRICT,  
SHENZHEN, CHINA

**Sample Information** : **Below sample and sample information are provided by client**  
**Sample Name** : 3D printer filament ASA  
**Brand** : ELEGOO  
**Model No.** : US-EL-3D-PAS01  
**Manufacturer** : SHENZHEN ELEGOO TECHNOLOGY CO., LTD.  
**Manufacturer address** : 101, NO. 30, DAHE INDUSTRIAL ZONE, GUANCHENG  
COMMUNITY, GUANHU STREET, LONGHUA DISTRICT,  
SHENZHEN, CHINA  
**Transport Fashion** : By railway、By road、By Air、By sea  
**Prepared Date** : 2023-12-28 to 2024-01-03

## RESULT SUMMARY:

TEST REQUESTED	CONCLUSION(S)
Material Safety Data Sheet(MSDS)	See next pages



Authorized Signatory  
Title: Lab Manager

For and on behalf of  
Dongguan Universal Testing Technology Co., Ltd.

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us. The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China. Post Code: 523785

Website :<http://www.utl-lab.cn>

Tel: +86 400-0683-789

E-mail: [utl@utl-lab.cn](mailto:utl@utl-lab.cn)

Hotline: +86 13829128006



# MSDS REPORT

Report No.: UTLR23126494  
Report Date: Jan.03, 2024

Password:PW0264  
Page 2 of 7

## Section 1 - Chemical Product and Company Identification

**Sample Name** : 3D printer filament ASA  
**Brand** : ELEGOO  
**Model No.** : US-EL-3D-PAS01  
**Manufacturer** : SHENZHEN ELEGOO TECHNOLOGY CO., LTD.  
**Manufacturer address** : 101, NO. 30, DAHE INDUSTRIAL ZONE, GUANCHENG COMMUNITY, GUANHU STREET, LONGHUA DISTRICT, SHENZHEN, CHINA  
**Contact person** : Danxia Hong  
**E-mail** : Info@elegoo.com

## Section 2 - Hazards Identification

### **2.1 Classification of the substance or mixture In accordance with Regulation (EC) No. 1272/2008**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### **2.2 Label elements**

#### **Labeling according to Regulation(EC) No. 1272/2008:**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### **2.3 Physical and chemical hazards**

Referring to current information, no physical or chemical hazard.

### **2.4 Health hazards**

H317 May cause an allergic skin reaction

### **2.5 Environmental hazards**

Referring to current information, no environmental hazard.

### **2.6 Other hazards - none**

---

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us. The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China. Post Code: 523785

Website :<http://www.utl-lab.cn>

Tel: +86 400-0683-789

E-mail: [utl@utl-lab.cn](mailto:utl@utl-lab.cn)

Hotline: +86 13829128006



# MSDS REPORT

Report No.: UTLR23126494  
Report Date: Jan.03, 2024

Password:PW0264  
Page 3 of 7

## Section 3 –Composition/Information on Ingredients

### Admixture

#### Composition:

Chemical Name	CAS No.	EC No.	Composition (in% by weight)
Acrylonitrile-styrene-acrylate terpolymer(ASA) polymerized by:	24980-16-3	-	100
-Acrylonitrile	/	/	40-60
-Styrene	/	/	20-30
-Acrylic rubber ACM	/	/	30-50

## Section 4 - First Aid Measures

**General advice:** Consult a physician. Show this safety data to the doctor in attendance. Move out of dangerous area.

**Skin touch:** Remove contaminated clothes and rinse the skin with plenty of water and soap. Cool water should be used. Get medical aid if necessary .

**Eyes touch:** Lifting the upper and lower eyelids, flush the eyes with plenty of water for at least 15 minutes. Cool water should be used. Get medical aid if necessary . Continue rinsing eyes during transport to hospital.

**Inhalation:** Remove from exposure and move to fresh air immediately. Keep the respiratory tract smooth. Use oxygen if available. Get medical aid.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out mouth. Drink sufficient hot water. Get medical aid.

## Section 5 - Fire Fighting Measures Danger

**Fire-Fighting method & media:** use extinguish ant such as dry sand, chemical dry powder, alcohol-resistant foam to put out the fire.

**Special protection equipment for firefighters:** Firemen should wear proper protective equipment and positive pressure self-contained breathing apparatus.

**Special hazards arising from the substance or mixture:** Carbon oxides,Nitrogen oxides.

**Special remarks on Fire Hazards:** No further relevant information available.

## Section 6 –Accidental Release Measures

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

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us.The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China. Post Code: 523785

Website :<http://www.utl-lab.cn>

Tel: +86 400-0683-789

E-mail: [utl@utl-lab.cn](mailto:utl@utl-lab.cn)

Hotline: +86 13829128006



# MSDS REPORT

Report No.: UTLR23126494  
Report Date: Jan.03, 2024

Password:PW0264  
Page 4 of 7

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

## 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## Section 7 - Handling and Storage

**Handling:** Avoid contact with eyes. Avoid inhalation of vapour or mist. Take measures to prevent the build up of electrostatic charge. Supply with sufficient partial air exhaust. It is advised that the staff wear respirator, wear work clothes, and wear gloves. Keep away from sources of ignition-No smoking. Use explosion-proof type ventilation system and device. Avoid contacting with oxidizer and strong acid. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling. Empty the container which may include harmful material.

**Storage:** Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Hygroscopic. Away from fire, heat source, direct sunlight. With the oxidant and acid stored separately, avoid mixing reservoir. Equipped with the appropriate variety and quantity of fire equipment. Storage areas should be equipped with emergency treatment equipment for leakage and suitable housing materials.

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Control parameters

Ingredients with workplace control parameters

### 8.2 Exposure controls

Appropriate engineering controls Change contaminated clothing. Wash hands after working with substance.

### Personal protective equipment

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination(US) or type ABEK(EN 14387) respirator cartridges as a backup to engineering controls.

**Eyes Protection:** Safety glasses with side-shields conforming to EN 166.

**Body Protection:** Wear impervious clothing, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

---

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us. The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China. Post Code: 523785

Website :<http://www.utl-lab.cn>

Tel: +86 400-0683-789

E-mail: [utl@utl-lab.cn](mailto:utl@utl-lab.cn)

Hotline: +86 13829128006



# MSDS REPORT

Report No.: UTLR23126494  
Report Date: Jan.03, 2024

Password:PW0264  
Page 5 of 7

**Environmental exposure controls:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Control measures must be made in accordance with community environmental protection legislation.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene. Change clothes, wash your hands after work.

## **Section 9 - Physical and Chemical Properties(information were provided by client)**

**Appearance:**No data

**Color:**No data

**Odour:** No data

**PH:** No data

**Boiling point:** No data

**Flash point:** No data

**Melting point:** No data

**Density (water=1):** No data

**Oxidation characteristics:** No data

**Upper explosion limit in air%:** No data

**Solubility:** No data

**Partition coefficient (n-octanol/water):** No data

**Viscosity:** No data

**Steam density:** No data

**Evaporation speed:** No data

**Acid value:** No data

**Pour point:** No data

**Ignition point temperature:** No data

**Permission for solvent inhalation:** No data

## **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

Heat.

no information available

### 10.4 Incompatible materials

Strong oxidizing agents

---

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us. The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China. Post Code: 523785

Website :<http://www.utl-lab.cn>

Tel: +86 400-0683-789

E-mail: [utl@utl-lab.cn](mailto:utl@utl-lab.cn)

Hotline: +86 13829128006



# MSDS REPORT

Report No.: UTLR23126494  
Report Date: Jan.03, 2024

Password:PW0264  
Page 6 of 7

10.5 Hazardous decomposition products  
In the event of fire: see section 5

## **Section 11 - Toxicological Information**

**Acute Toxicity:** No data.  
**Sub-acute and Chronic Toxicity:** No data.  
**Irritation:** No data.  
**Sensitization:** No data.  
**Mutagenicity:** No data.  
**Carcinogenicity:** No data.  
**Others:** No data.

## **Section 12 - Ecological Information**

**Eco-toxicity:** No data available.  
**Biodegradable:** No data available.  
**Non-biodegradable:** No data available.  
**Bioconcentration or biological accumulation:** No data available.  
**PBT and vPvB assessment results:** The substance/mixture does not contain ingredients considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at 0.1% or higher.  
**Other harmful effects:** No known significant effects or critical hazards.

## **Section 13 - Disposal Considerations**

Waste disposal method: dispose according to local regulations.  
Precautions for abandonment: no special precautions.

## **Section 14 - Transport Information**

14.1 UN number

ADR/RID: - IMDG: - IATA-DGR: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA-DGR: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA-DGR: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA-DGR: -

---

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us. The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China. Post Code: 523785

Website :<http://www.utl-lab.cn>

Tel: +86 400-0683-789

E-mail: [utl@utl-lab.cn](mailto:utl@utl-lab.cn)

Hotline: +86 13829128006



# MSDS REPORT

Report No.: UTLR23126494  
Report Date: Jan.03, 2024

Password:PW0264  
Page 7 of 7

## 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA-DGR: no

**Transport Attentions:** Examine whether the package of the containers are integrate and tighten closed before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with oxidizer, acid and so on. The transport vehicle and ship must be cleaned and sterilized otherwise it is not allowed to assemble articles. During transport, the vehicle should prevent exposure, rain and high temperature. For stopovers, the vehicle should be away from fire and heat sources. Don't use device and tools which can easily produce spark for loading. When transported by sea, the assemble place should keep away from bedroom and kitchen, and isolated from the engine room, power and fire source.

Under the condition of Road Transportation, the driver should drive in accordance with regulated route, don't stop over in the residential area and congested area. No slipping up in rail road.

According to the IMDG Code(inc Amdt 40-20) 2022 Edition, The sample is not regulated for transport of dangerous goods.

According to the Air transport ICAO-TI and IATA-DGR 64<sup>nd</sup>, The sample is not regulated by IATA Dangerous Good Regulations 64<sup>nd</sup> edition.

## **Section 15 - Regulatory Information**

### **Regulatory Information:**

National Hazardous Waste List

GHS -Globally harmonized system of classification and labeling of chemicals, third revised edition.

Transport of dangerous goods, sixteenth revised edition

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No.1272/2008 Classification, Labeling and Packaging of Substances and Mixtures.

The International Maritime Dangerous Goods (IMDG) Code.

the Air transport ICAO-TI and IATA-DGR 64<sup>nd</sup>

## **Section 16 - Additional Information**

The above information is based on the data of which we are aware and is believed to be correct as of the data 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 data hereof may suggest modifications of the information, we do not assume any responsibility for the results 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 of Test Report \*\*\*\*\***

---

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us. The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China. Post Code: 523785

Website :http://www.utl-lab.cn

Tel: +86 400-0683-789

E-mail: utl@utl-lab.cn

Hotline: +86 13829128006