



SDS Service Summary

No.: CANEC23017537703

Date: 05 Jan 2024

Page 1 of 1

SGS Job No. : SZP23-034145
Product Name : Photopolymer Resin Detergent
Manufacturer / Supplier : SHENZHEN ELEGOO TECHNOLOGY CO., LTD.
Composition/Ingredient of product (as per applicant submission) : See *section 3 Composition/information on ingredients* on the SDS
Job Receiving Date : 27 Dec 2023
SDS Preparation Period : 27 Dec 2023-02 Jan 2024

Service Requested : Preparation of Safety Data Sheet (SDS) for the product with submitted information, with calculation of the classification and labeling requirement according to the submitted composition and US Hazard Communication Standard 29 CFR 1910.1200.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Hazard Communication Standard 29 CFR 1910.1200, and is provided per attached.

Disclaimer

This Safety Data Sheet (SDS) is provided to applicant to fulfill US Hazard Communication Standard 29 CFR 1910.1200 and communicate the hazard information of chemicals through the supply chain to ensure safe use. It is not a test report or a certificate ensuring the safety of a product. SGS has consolidated product information based on documents provided by Applicant (i.e. product name, the supplier details, product composition, available physical data, etc.) without independent verification from SGS. The information is provided without any warranty, express or implied, regarding its correctness.

Zm guan
Project Engineer

Safety Data Sheet

29 CFR 1910.1200

Printing date 01/02/2024

Reviewed on 01/02/2024

1 Identification

- **Product identifier**
- **Trade name:** *Photopolymer Resin Detergent*
- **Recommended use of the chemical and restrictions on use:**
- **Application of the substance / the preparation:** *3D Printing models cleaner*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** *SHENZHEN ELEGOO TECHNOLOGY CO. , LTD.*
- **Full address:**
101, NO. 30, DAHE INDUSTRIAL ZONE, GUANCHENG COMMUNITY, GUANHU STREET, LONGHUA DISTRICT, SHENZHEN, CHINA
- **Phone number:** *0755-21005141*
- **Email:** *INFO@ELEGOO.COM*
- **Other U.S. contact point:** *Not available*
- **Further information obtainable from:** *SHENZHEN ELEGOO TECHNOLOGY CO. , LTD.*
- **Emergency telephone number:**
Poison Center
Tel: +1 800 222 1222
- **Reference Number:** *CANEC23017537703,SZP23-034145*

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Acute Toxicity - Oral 4 H302 Harmful if swallowed.

Flam. Liq. 4 H227 Combustible liquid.

- **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

- **Classification system:**

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

- **Label elements**

- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**

- **Hazard pictograms**



GHS07

- **Signal word** *Warning*

- **Hazard-determining components of labeling:**

1,4-dimethyl butanedioate 1,5-dimethyl pentanedioate 1,6-dimethyl hexanedioate

- **Hazard statements**

H227 Combustible liquid.

H302 Harmful if swallowed.

- **Precautionary statements**

P210 Keep away from flames and hot surfaces. – No smoking.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 01/02/2024

Reviewed on 01/02/2024

Trade name: Photopolymer Resin Detergent

(Contd. of page 1)

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.
 P330 Rinse mouth.
 P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

- **Composition:**

CAS: 95481-62-2	1,4-dimethyl butanedioate 1,5-dimethyl pentanedioate 1,6-dimethyl hexanedioate	50%
	⚠ Acute Toxicity - Oral 4, H302	
CAS: 68424-31-7	Fatty acids, C5-10, esters with pentaerythritol	35%
CAS: 42016-08-0	Disodium C-[2-[2-[2-(dodecyloxy)ethoxy]ethoxy]ethyl] sulphonatosuccinate	15%

4 First-aid measures

- **Description of first aid measures**
- **General description:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Move quickly into fresh air and keep breathing smooth. If breathing is difficult, give oxygen. If not breathing, give cardiopulmonary resuscitation and consult a physician immediately.
- **After skin contact:**
Rinse immediately with soap and plenty of water for at least 15 minutes. Take off contaminated clothing immediately. Consult a physician if skin irritation or allergic reaction occurs.
- **After eye contact:**
Lift eyelids and flush eyes immediately with plenty of water for at least 15 minutes, and consult a physician.
- **After swallowing:**
Immediately drink plenty of warm water and induce vomiting. Gastric lavage, catharsis, and consult a physician immediately.
- **Most important symptoms and effects, both acute and delayed**
Ingestion can cause nausea, abdominal pain, diarrhea, and central nervous system damage. Severe cases can cause coma, death by respiratory arrest, and liver and kidney damage; inhalation has the same symptoms as ingestion; irritating to eyes and skin, respiratory tract.
- **Indication of any immediate medical attention and special treatment needed**
Consult a physician immediately for any physical discomfort in the workplace.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** No further relevant information available.

(Contd. on page 3)

Safety Data Sheet

29 CFR 1910.1200

Printing date 01/02/2024

Reviewed on 01/02/2024

Trade name: Photopolymer Resin Detergent

(Contd. of page 2)

- **Special protective equipment and precautions for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.

7 Handling and storage

- **Precautions for safe handling:** For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.**
- **Appropriate engineering controls:**
Keep away from foodstuffs, beverages and feed.
See Section 7 for information about design of technical facilities.
- **Individual protection measures, such as personal protective equipment**
- **Breathing equipment:**
Self-priming filtering gas masks (half-masks) must be worn when airborne concentrations are exceeded. Air respirators should be worn in emergency situations.
- **Hand protection:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Wear rubber gloves.

- **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be

(Contd. on page 4)

Safety Data Sheet

29 CFR 1910.1200

Printing date 01/02/2024

Reviewed on 01/02/2024

Trade name: Photopolymer Resin Detergent

(Contd. of page 3)

checked prior to the application.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection:** Wear chemical safety glasses.

9 Physical and chemical properties

· **General Information**

· **Appearance:**

· Form:	Liquid
· Color:	Colorless and transparent
· Odor:	It is considered mildly irritating.
· Odor threshold:	Not available

· **pH-value:** 6.2

· **Change in condition**

· Melting point/Freezing point:	-41.5 °C (-42.7 °F)
· Initial boiling point and boiling range:	190.2 °C (374.4 °F)

· **Flash point:** 82 °C (179.6 °F)

· **Flammability:** Flammable.

· **Auto-Ignition temperature:** Not available

· **Decomposition temperature:** Not available

· **Lower and upper explosion limit**

· Lower:	Not available
· Upper:	Not available

· **Vapor pressure at 20 °C (68 °F):** 0.33 hPa (0.2 mm Hg)

· **Density:** Not available

· **Relative density at 20 °C (68 °F):** 1.1063

· **Vapor density:** Not available

· **Evaporation rate:** Not available

· **Solubility in / Miscibility with**

· **Water:** Insoluble in water

· **Partition coefficient (n-octanol/water):** Not available

· **Viscosity:**

· **Dynamic:** Not available

· **Kinematic:** Not available

· **Other information:** No further relevant information available.

10 Stability and reactivity

· **Reactivity:** No further relevant information available.

· **Chemical stability:** Low volatility

· **Possibility of hazardous reactions:** Combustible

· **Conditions to avoid:** Keep away from heat and fire.

· **Incompatible materials:** No further relevant information available.

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 01/02/2024

Reviewed on 01/02/2024

Trade name: Photopolymer Resin Detergent

(Contd. of page 4)

- **Hazardous decomposition products:** CO, CO₂

11 Toxicological information

- **Acute toxicity:** Harmful if swallowed.
- **LD/LC50 values that are relevant for classification:** Not available
- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect possible.
- **Respiratory or skin sensitization:** Sensitization possible.
- **Additional toxicological information:** Harmful
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|----------------------------------|---------------------------|
| · UN-Number | |
| · DOT | NA1993 |
| · IMDG, IATA | Not applicable |
| · UN proper shipping name | |
| · DOT | COMBUSTIBLE LIQUID, N.O.S |
| · IMDG, IATA | Not applicable |

(Contd. on page 6)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 01/02/2024

Reviewed on 01/02/2024

Trade name: Photopolymer Resin Detergent

(Contd. of page 5)

· **Transport hazard class(es)**· **DOT**· **Class**

Comb liq

· **Label**

-

· **IMDG, IATA**· **Class**

Not applicable

· **Label**

-

· **Packing group**· **DOT**

III

· **IMDG, IATA**

Not applicable

· **Environmental hazards:**· **Marine pollutant:**

No

· **Special precautions for user**

Not applicable

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

· **Transport/Additional information:**· **DOT**· **Quantity limitations**

On passenger aircraft/rail: 60 L

On cargo aircraft only: 220 L

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

68424-31-7 Fatty acids, C5-10, esters with pentaerythritol

ACTIVE

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

None of the ingredients is listed.

(Contd. on page 7)

Safety Data Sheet

29 CFR 1910.1200

Printing date 01/02/2024

Reviewed on 01/02/2024

Trade name: Photopolymer Resin Detergent

(Contd. of page 6)

· New Jersey Special Hazardous Substance List:

None of the ingredients is listed.

· Pennsylvania Right-to-Know List:

None of the ingredients is listed.

· Pennsylvania Special Hazardous Substance List:

None of the ingredients is listed.

· Cancerogenicity categories
· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

16 Other information

· Relevant hazard statements

H302 Harmful if swallowed.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· Date of preparation / last revision 01/02/2024
· Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Liq. 4: Flammable liquids – Category 4

Acute Toxicity - Oral 4: Acute toxicity – Category 4

End of document