

Material Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : ProPoly
Other means of identification: not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Printing material for 3d printers

1.3 Details of the supplier of the safety data sheet

Company: XYZprinting, Inc.
Address: No.147, Sec. 3, Beishen Rd., Shenkeng Dist., New Taipei City, Taiwan (R.O.C.)
Information Phone No.: 886-2-7705 8001
Emergency Phone No.: 886-2-7705 8001

SECTION 2: Hazards identification

EMERGENCY OVERVIEW

2.1 Classification of the substance or mixture

Physicochemical Hazards Flammable liquids Not classified
Health Hazards Acute toxicity (oral) Category 4
Other hazards than mentioned above are Not applicable or No data available.

2.2 Label elements

Hazard pictograms:



Signal word : Warning

Hazard statements **Precautionary Statements:** H302 harmful if swallowed

Prevention **Precautionary Statements:** Wash hand thoroughly after handling.

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

Response **Precautionary Statements:** IF SWALLOWED: Immediately call a doctor.

Rinse mouth. Do NOT induce vomiting.

Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations. (to be specified).

SECTION 3: Composition/information on ingredients

3.1 Chemical characterization: Mixtures

Identification name	CAS No./EC No.	Formula	Weight % content (or range)
Acrylic monomer	Registered	-	> 90%
Photoinitiator(s)	Registered	-	< 10%

Impurities and/or No information available

Stabilizing Additives which

Contribute to the Classification

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact:

Immediately wash eyes with plenty of running water for at least 15 minutes minimum. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Occasionally lift the upper and lower eyelids. Seek medical advice if irritation develops and persists.

Inhalation:

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing. Call a doctor if you feel unwell.

Skin contact:

Call a doctor if you feel unwell.
Wash the skin with flowing water or shower.
If skin irritation or rash occurs, get medical advice and attention.

Ingestion :

Rinse a mouth. Don't make vomit by force.

The most important symptoms and hazardous effects:

Harmful in contact with skin and causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media : Foam. Carbon dioxide. BCF (where regulations permit). Dry chemical powder.
Dry sand.

Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Move containers from fire area if you can do it without risk.
Cool containers with flooding quantities of water until well after fire is out.
Use extinguishing agent suitable for type of surrounding fire.

5.3 Advice for firefighters

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters:

In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Isolate the site as a leak area by providing a zone that has an appropriate width to all directions.

Keep unauthorized personnel away.

Stay upwind.

Wear appropriate personal protective equipment (Refer to "Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.

Keep out of low areas.

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

6.2 Environmental precautions

Do not release into the environment.

Pay attention not to cause the influence on the environment by discharging into rivers.

6.3 Methods and materials for containment and cleaning up

All equipment used when handling the product must be grounded.

After removal, flush contaminated area thoroughly with water.

Small spills; absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Large spills; prevent flowing out with a dike and collect it at a safe place.

Flush a floor fully. Neutralize rinsing water after rinsing, if needed.

6.4 Prevention Measures for Secondary Accidents

Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area).

Prevent flowing into drain, sewage, basement, and closed area.

Section 7: Handling & Storage Measures

7.1 Precautions for safe handling

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in "Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION".

Protective measures

Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source.

Precautions for Safe Handling

Prohibit use of heat, sparks, and fire in the surrounding area.

Wash hand thoroughly after handling.
Do not get in eyes, on skin or on clothing.
Do not breath mist, vapors, spray, dust or fume.
Do not swallow.

Prevents Handling of Incompatible Substances or Mixtures

Refer to "Section 10 - STABILITY AND REACTIVITY".

Specific Hygiene Measures

Do not eat, drink or smoke when using this product. Wash hand thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Flammable - Keep Fire Away
Storage may be subjected to national, state, or local laws.

Conditions for Safe Storage

Refer to "Section 10 - STABILITY AND REACTIVITY".
Keep away from direct sunlight, high temperature and high humidity.
Keep in a well-ventilated place. Keep container tightly closed.
Keep in a cool place or at the designated storage temperature. Keep in a dark place.

Material Used in Packaging/Container

Follow all regulations in your country.
Keep only in the original container.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Engineering controls

Facilities storing or utilizing this product should be equipped with an eyewash facility and safety shower.
Use explosion-proof electrical, ventilating and lighting equipment.
Handle at the workplace in which the suitable ventilator was installed.

8.2 Personal Protective Equipment

Respiratory Protection Hand Protection

Wear an adequate protective apparatus for respiratory organs.
Wear protective gloves.
Use impervious glove.

Eye/face protection

Wear eye protection.
Goggles (ordinary glass type with side shields, and goggle type)

Skin and Body Protection

Wear suitable protective clothing.
Use impervious protective clothing(e.g. apron, rubber boots etc.) if needed.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state	: Liquid (transparence)
Color	: Almost colorless
Odor	: Almost odorless
pH value	: No data available
Melting Point/Freeze Point	: $\leq 0^{\circ}\text{C}$
Boiling Point	: No data available
Flash Point	: 129°C
Density	: No data available
Specific Gravity (Density)	: 1.12
Viscosity	: $1370 \text{ mPa}\cdot\text{s} (25^{\circ}\text{C})$
Solubility	: Insoluble in water, and solubule in acetone and in organic solvent
Other Property	: Flashing point : as raw material

Section 10: Stability & Reactivity

10.1 Reactivity:

Stable to light, heat and impact under the lightshielding condition.

10.2 Possible hazardous reactions occurring under specific conditions:

No data available

10.3 Conditions to avoid:

Heating. Direct sunlight.

High-temperature material. Spark. Naked flame.

10.4 Incompatible Substances or Mixtures:

Strong oxidizers, peroxides, iron, basic substance, metal compounds

10.5 Hazardous decomposition products:

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity:

No information available

SECTION 12: Ecological information

12.1 Ecotoxicity : No information available

12.2 Hazardous to the ozone layer : No information available

12.3 Results of PBT and vPvB assessment: No available

12.4 Other adverse effects: No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Residual Waste

Incinerate in small portions with an incinerator or entrust to an industrial waste disposal company approved by the local authority.

Discharge, treatment, or disposal may be subjected to national, state, or local laws.

Incineration; Carry out as small portion to prevent dust and droplet dispersion into the air.

Contaminated Container and Packaging

If possible, clean up and recycle.

Or perform suitable processing in accordance with regulation.

Remove residual contents completely before an empty container is discarded.

SECTION 14: Transport Information

International Regulations

Regulatory Information by Sea: Not applicable

Transport in bulk according to MARPOL 73/78,Annex II ,and the IBC code : Not applicable

Regulatory Information by Air: Not applicable

Specific Safety Measures

Check the container for any leaks and breakages.

Load up carefully to prevent a fall, a overturning and a breakage. Carry out prevention to unloading of cargo.

Do not wet container. Do not handle roughly.

SECTION 15: Regulatory information

Follow all regulations in your country.

SECTION 16: Other information

SDS prepared by

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Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

This company shall not be held liable for any damage resulting from handling or from contact with the above product.

While XYZprinting, Inc. believed that data contained herein are accurate and derived from qualified sources the data are not be taken as a warranty or representation for solely for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local and regulation.