

# Safety Data Sheet

According to Regulation (EC) No.1907/2006&(EC) No.1272/2008

## UltraPrint-Modeling PAT10

SDS Version: 3.0

SDS No.PAT2023032101-03-EU

Creation Date: 2023/03/21    Revision Date: 2025/01/02

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

#### **1.1 Product Identifier**

Trade name:	UltraPrint-Modeling PAT10
Product model:	Modeling PAT10
Additional identification:	Nanoform is NOT covered by this SDS.
Identification of the product:	Not available
Uses advised against:	Not available
Unique formula identifier:	Not available

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

Identified uses:	Resin for use in 3D Printing.
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#### **1.3 Details of the supplier of the safety data sheet**

Company:	GUANGZHOU HEYGEARS IMC.INC
Registered    Address:	Block B2, 501, 601 Enterprise Accelerator, Kaifa District Guangzhou, Guangdong, 510700, China
Production Address:	Room 201-1, No.25 Yayingshi Road, Huangpu District, Guangzhou, Guangdong, 510700, China
E-mail:	mqu@heygears.com
Telephone:	+86 020 22042035 Monday to Friday, 9am-5pm (Standard time zone: UTC/GMT +8 hours).

#### **1.4 Emergency telephone number**

Emergency Phone:	+86 020 22042035
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### **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

Skin Irrit. 2	H315
Skin Sens. 1	H317
Eye Irrit. 2	H319
STOT SE 3	H335

## 2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hand thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in according with local regulation.

Supplemental Hazard Statements: None

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **SECTION 3: Composition/information on ingredients**

CAS No.	EC No.	Component	Classification	Concentration
868-77-9	212-782-2	2-hydroxyethyl methacrylate	Skin Sens. 1 H317 Eye Irrit. 2 H319 Skin Irrit. 2 H315	10-20%
2455-24-5	219-529-5	Tetrahydrofurfuryl methacrylate	Eye Irrit. 2 H319 Skin Irrit. 2 H315 STOT SE 3 H335 Skin Sens. 1A H317	20-25%
68987-79-1	848-035-8	Urethane acrylate resin	/	50-60%

## **SECTION 4: First aid measures**

### 4.1 Description of first-aid measures

In case of inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

In case of skin contact: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

In case of eyes contact: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

In case of ingestion: Rinse mouth with water and obtain medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

Not available.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media: Carbon dioxide, dry chemical, foam.

Unsuitable extinguishing media: Do not use a direct water jet on burning material.

### **5.2 Special hazards arising from the substance or mixture**

Carbon monoxide and unidentified organic compounds may be formed during combustion.

### **5.3 Advice for fighters**

Wear NIOSH approved self-contained breathing apparatus and full protective clothing when fighting fires involving chemicals.

Use water spray to cool containers exposed to fire.

## **SECTION 6:Accidental release measures**

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

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

### **6.2 Environmental precautions**

Keep away from drains, surface- and groundwater and soil.

### **6.3 Methods and materials for containment and cleaning up**

Clean up spillage promptly. Provide adequate ventilation. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

### **6.4 Reference to other sections**

For disposal see section 13.

## **SECTION 7:Handling and storage**

### **7.1 Precautions for safe handling**

For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, ventilated area away from heat sources. Keep container tightly closed when not in use.

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## **SECTION 8:Exposure controls/personal protection**

## 8.1 Control parameters

Occupational exposure limits:	No data available
Additional exposure limits under the conditions of use:	No data available

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

### 8.2.2 Individual protection measures

Eye/face protection:	Use tight-fitting goggles, face shield or safety glasses with side shields if eye contact might occur.
Hand protection:	Use chemically resistant gloves.
Body protection:	Wear suitable protective clothing to prevent skin exposure.
Respiratory protection:	No respiratory protection is required during normal operations in a workplace. If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used.
Thermal hazards:	Not available.

### 8.2.3 Environmental exposure controls

Avoid discharge into the environment.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Transparent
Odour:	Fragrance like
Melting point/freezing point:	<-20°C
Boiling point or initial boiling point and boiling range:	314.0°C
Flammability:	Not available
Lower and upper explosion limit/flammability limit:	Not available
Flash point:	130°C
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
pH :	Not available
Kinematic viscosity (mm <sup>2</sup> /s) :	Not available
Solubility:	Not available
Partition coefficient: n-octanol/water (log value):	Not available

Vapour pressure:	Not available
Density and/or relative density:	1.0-1.5g/cm <sup>3</sup> (25°C)
Relative vapour density:	Not available
Particle characteristics:	Not available
Viscosity, dynamic (mPa.s):	500-1300 (25°C)

## 9.2 Other information

Not available

## **SECTION 10: Stability and reactivity**

Reactivity:

The substance is stable under normal storage and handling conditions.

Chemical stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid :

Direct sources of heat.

Incompatible materials:

Strong acids, alkali or oxidizing agents.

Hazardous decomposition products:

Carbon monoxide and unidentified organic compounds may be formed during combustion.

## **SECTION 11: Toxicological information**

### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Non-human toxicological data:	No data available
Acute toxicity:	
LD50(Oral, Rat):	No data available
LD50(Dermal, Rat):	No data available
LC50(Inhalation, Rat):	No data available
Skin corrosion/Irritation:	Causes skin irritation.
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization:	May cause an allergic skin reaction.

Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
STOT- single exposure:	No data available
STOT- repeated exposure:	No data available
Aspiration hazard:	No data available

## **11.2 Information on other hazards**

Endocrine disrupting properties:

The mixture does not contain endocrine disruptor.

## **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 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Endocrine disrupting properties**

The mixture does not contain endocrine disruptor.

### **12.7 Other adverse effects**

No data available

## **SECTION 13: Disposal considerations**

Waste treatment methods:

Due to the high risk of contamination recycling/recovery is not recommended.

According to local regulations. Emptied container might retain product residues.

Follow all warnings even after the container is emptied.

## **SECTION 14:Transport information**

### **14.1 UN number**

Land transport (ADR/RID):	Not regulated
Sea transport(IMDG):	Not regulated
Air transport(ICA0/IATA):	Not regulated

### **14.2 UN proper shipping name**

Not regulated

### **14.3 Transport hazard class(es)**

Not dangerous goods.

### **14.4 Packing group**

Not available

### **14.5 Environmental hazards(e.g.: Marine pollutant (Yes/No))**

NO

### **14.6 Special precautions for user**

Not regulated

### **14.7 Transport in bulk according to IMO instruments**

Not regulated

## **SECTION 15:Regulatory information**

### **15.1 Safety, health and environmental regulations specific for the product in question.**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

## **SECTION 16:Other information**

Full text of H-Statements referred to under sections 2 and 3.

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



**Disclaimer:**

The information in this SDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This SDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this SDS must make independent judgments on the applicability of this SDS. The authors of this SDS will not be held responsible for any harm caused by the use of this SDS.