

Applicant: Guangzhou Huanjing Maoyi Youxian Gongsi  
Address: CN, 510000, Guangdong, Guangzhou, Baiyunqu, Yunchengnan2lu 167hao 720fang

**Sample information:**

Sample name: Clear UV Resin

Brand name: VidaRosa

Model: B0851ZPS84

Applicant sheet received date: August 7, 2020

Edit period: From August 7, 2020 to August 10, 2020

**Test Requested:** As specified by the client, to edit Material Safety Data Sheet (MSDS) for the submitted sample.

Shanghai Fajin Testing Technology Co.,Ltd

Approved by: \_\_\_\_\_



**Shanghai Fajin Testing Technology Co.,Ltd**

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# Material Safety Data Sheet (MSDS)

In accordance with GHS Rev. 6. and The EU CLP REGULATION (EC) No 1272/2008

## Section 1 - Chemical Product and Company Identification

### 1.1 Product Identification:

Product Name: 4th Gen Clear Hard UV Resin  
Product Model: B0851ZPS84

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

Identified uses: Crystal drops of glue  
Use advised against: No data available.

### 1.3 Details of the Manufacture or supplier

Manufacture: Guangzhou Huanjing Maoyi Youxian Gongsi  
Address: CN, 510000, Guangdong, Guangzhou, Baiyunqu, Yunchengnan2lu 167hao 720fang  
Telephone: +8618620869863  
Fax: +8618620869863  
Email: huan.jing001@outlook.com

### 1.4 Emergency telephone number

Emergency Telephone: +86-769-87719877

## Section 2 - Hazards Identification

### 2.1 Classification of the substance or mixture

GHS Classification: Skin irritation, category 2  
Skin Sensitization, category 1  
Eye irritation, category 2A

### 2.2 GHS Label elements, including precautionary statements

GHS Labels:

**Pictogram(s):**



**Signal Word:**

Warning

**Hazard Statement:**

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

**Precautionary statement(s)**

**Prevention precautionary statements:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash thoroughly after handling.  
P272: Contaminated work clothing should not be allowed out of the workplace  
P280: Wear protective gloves/protective clothing/eye protection/face protection

**Response Precautionary Statements:**

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P333+313: If skin irritation or a rash 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.  
P337+313: If eye irritation persists get medical advice/attention.

**Storage Precautionary Statements:**

None.

**Disposal Precautionary Statements:**

P501: Dispose of contents and container in accordance with local/regional/national /international regulations.

**2.3 Description of any hazards not otherwise classified**

None. No health hazard after curing. See section 11 for more detailed information on health effects and symptoms.

**Section 3 - Composition/Information on Ingredient**

Substance ( ) Preparation ( ✓ ) Article ( )

Composition:

Chemical name	CAS No.	Content (%)
Polyurethane acrylate prepolymer	Proprietary	50-75
Hexamethylene diacrylate	13048-33-4	5-20
Acrylate monomer	Proprietary	1-10
Photoinitiator A: 2-hydroxy-2-methylpropiophenone	7473-98-5	1-10

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Photoinitiator B	Proprietary	1-5
Additives	Proprietary	0.5-1

Abbreviation: CAS No. is Chemical Abstract Service Registry Number.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures:

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation occurs and persists, contact a doctor.

**Skin Contact:** Immediately remove and isolate contaminated clothing and shoes. Wash off with soap and plenty of water. If irritation occurs and persists, contact a doctor.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Contact a physician if discomfort or coughing, breathing difficulties.

**Ingestion:** If the person is conscious, wash out mouth with water. Never give anything by mouth to an unconscious person. Consult a physician attention and get medical immediately.

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

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

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

Treat symptomatically and supportively.

## Section 5 -Extinguishing media

### 5.1 Extinguishing media

**Suitable extinguishing media:** Use alcohol-resistant foam, dry powder or carbon dioxide. Water may be ineffective. Water can be used to cool down unopened container involved in fire.

**Unsuitable extinguishing media:** None known.

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

Gives off irritating fumes (or gases) and combustion product(Carbon oxides, Nitrogen oxides, etc) in a fire.

### 5.3 Advice for firefighters

Evacuate personnel to safe areas. Wear self-contained breathing apparatus and suitable protective equipment for firefighting.

### 5.4 Further information

Collect fire extinguishing water to avoid release to environment.

## Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

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

Evacuate area. Ventilate area. Use personal protective equipment: Chemical protection suit and gloves. Avoid contact with skin and eyes. Do not breathe vapors or aerosol. 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. Discharge into the environment must be avoided.

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

Isolation leakage contaminated areas, restrict access. Small leak: use inertia material to absorb spill with a clean tools and put in a suitable container. Large Leak: embank and contain spillage. To prevent leakage into the water, sewers. Clear under the guidance of experts. For disposal see section 13.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling:

Use in well-ventilated area.

Use appropriate, approved safety equipment.

Avoid contact with skin and eyes. Avoid breathing vapor or mist.

Keep container tightly closed when not in use.

Do not eat, drink or smoke at the workplace.

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Keep away from heat/sparks/open flames/hot surfaces .

Prohibited in the high fever, freezing, spark, flame environment using this product. Avoid direct sunlight or ultraviolet light before bonding.

For precautions see section 2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from fire and heat. Store away from foodstuff and strong oxides. Avoid direct sunlight or ultraviolet light before bonding.

## Section 8 - Exposure Controls, Personal Protection

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**8.1 Exposure Limits:** Not established.

**8.2 Exposure controls**

**Engineering Control:** General industrial hygiene practice. Provide appropriate exhaust ventilation. Provide safe shower and eye wash fountain.

**Personal protective equipment:**

**Respiratory Protection:** Not required under normal condition in well-ventilated area. 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. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eyes Protection:** Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Body Protection:** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hands Protection:** Handle with chemical-resistant gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

**Other Protections:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Section 9 - Physical and Chemical Properties**

Information on basic physical and chemical properties	
Appearance	Colorless viscous liquid
Odor	Odorless
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability	Not flammable.
Upper explosive limit %(V/V)	Not available.
Lower explosive limit %(V/V)	Not available.
Vapor pressure	Not available.

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Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not available.
Ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

## Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under normal storage temperature and pressure.

**10.2 Conditions to Avoid:** Extremes of temperature, flames and mars.

**10.3 Incompatible materials:** Strong oxides.

**10.4 Hazardous Decomposition Products:** Other decomposition products- no data available. In the event of fire:see section 5.

**10.5 Possibility of hazardous reactions:** None hazardous reactions known under normal condition.

## Section 11 - Toxicological Information

### Acute Toxicity:

Ingredient	CAS No.	LD50-Rat-Oral	LC50-Rat-inhalation	LD50-Rabbit-skin
Hexamethylene diacrylate	13048-33-4	5000mg/kg	-	3.6mL/kg
Photoinitiator A: 2-hydroxy-2-methylpropiophenone	7473-98-5	1694mg/kg	-	6929mg/kg

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Eye Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization** May cause an allergic skin reaction.

**Germ Cell Mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity:** None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA or the European Directive (67/548/EEC).

**Reproductive Toxicity:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single** No known human health effects upon single exposure.

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<b>Exposure (Globally Harmonized System):</b>	
<b>Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):</b>	No known human health effects upon repeated exposure.
<b>Aspiration Hazard:</b>	Based on available data, the classification criteria are not met.
<b>Potential Health Effects:</b>	
<b>Inhalation:</b>	Inhaling concentrated vapor may cause respiratory irritation.
<b>Skin Contact:</b>	May be harmful if absorbed by skin. Causes skin irritation. May cause an allergic skin reaction.
<b>Eye Contact:</b>	Causes serious eye irritation.
<b>Ingestion:</b>	Can not be ingested under normal condition. May be harmful if ingested.

## 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 Other adverse effects

May be harmful to aquatic life. Do not allow materials to release to drains or water body. Harmless to environment after curing.

## Section 13 - Disposal Considerations

### Waste treatment methods

#### Product

Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

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#### Contaminated packaging

Containers may still present chemical hazard when empty. Return to supplier for recycling if possible or disposal according local related regulations.

### Section 14 - Transport Information

#### 14.1 UN Number:

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

#### 14.2 UN proper shipping name:

ADR/RID, IMDG, IATA Not dangerous goods

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

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

#### 14.4 Packing group:

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

#### 14.5 Environmental hazards:

No.

#### 14.6 Special precautions for user:

No information available.

### Section 15 - Regulatory Information

#### EU Regulations

##### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin irritation, category 2

Skin Sensitization, category 1

Eye irritation, category 2A

#### US Regulations

##### USA SARA

##### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

##### SARA 313 Components (Specific toxic chemical listings)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De

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Minimis) reporting levels established by SARA Title III, Section 313.

#### **SARA Title III Section 311/312 Hazard Categories**

The product meets the criteria only for the listed hazard classes:

Acute Health Hazard

**California Proposition 65:** Not listed

### **Section 16 - Additional Information**

#### **Abbreviations:**

- pH- Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
- OSHA- Occupational Safety and Health Administration
- NTP- National Toxicology Program
- IARC- International Agency for Research on Cancer
- CAS#- Chemical Abstract Service number - used to uniquely identify chemical compounds
- ACGIH- The American Conference of Governmental Industrial Hygienists
- ADR- Agreement on Dangerous Goods by Road
- IATA - International Air Transport Association
- IMDG- International Maritime Dangerous Goods

#### **Further Information:**

-This safety data sheet was prepared in accordance with UN GHS Rev.6, The EU CLP REGULATION (EC) No 1272/2008, and ANSI Z400.1.

-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.

**Department Issuing MSDS: Guangzhou Huanjing Maoyi Youxian Gongsi**

**Issue Date: August 10, 2020**