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NO.2620030100

# SAFETY DATA SHEET

**Product Name:** Printer UV Sensitive resin

**Effective Date:** 2020-03-31

**Compiler:** Liu Linlin

**Checker:** Dongxuesheng

**Approver:** Zhangxiangjin



Shanghai Research Institute of Chemical Industry Testing Co., Ltd.



# Shenzhen Creality 3D Technology Co.,Ltd.

## SAFETY DATA SHEET

### Printer UV Sensitive resin

#### SECTION1 PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Printer UV Sensitive resin  
**Company:** Shenzhen Creality 3D Technology Co.,Ltd.  
**Address:** 11, 12/F,Block 3,Jinchenyuan, Tongsheng Community,Dalang, Longhua District,Shenzhen, 518109, P. R. China  
**Email:** 2664605892@qq.com;wumiao@creality.com  
**Fax:** /  
**Emergency Phone:** 86-755-85234565;86-4006-133882  
**SDS Number:** 2620030100  
**Effective Date:** 2020-03-31

#### SECTION2 HAZARDS IDENTIFICATION

**GHS Classification:**

**Physical Hazards:**

Not Classified

**Health Hazards:**

Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A  
Skin sensitization Category 1

**Environmental Hazards:**

Classification not possible

The hazards not mentioned are not applicable or no data available.

**GHS Labelling:**

**Pictogram:**



**Signal Word:**

Warning

**Hazard Statements:**

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

**Prevention Precautionary Statements:**

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

**Response Precautionary Statements:**

P302+P352 IF ON SKIN: Wash with plenty of water.  
 P333+P317 If skin irritation or rash occurs: Get medical help.  
 P362+P364 Take off contaminated clothing and wash it 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+P317 If eye irritation persists: Get medical help.

**Storage Precautionary Statements:**

Unknown.

**Disposal Precautionary Statements:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

**Other Hazards:**

This product contains 42-55% of ingredients, with no data or information for classification, and may have potentially unknown hazards to human health and the environment.

**SECTION3 INFORMATION ON INGREDIENTS**

Product name: Printer UV Sensitive resin

Ingredient	Concentration	CAS No.	EC No.
Epoxy resin	40-50%	61788-97-4	612-377-4
Monomer	20-40%	13048-33-4	235-921-9
Photoinitiator	3-5%	947-19-3	213-426-9
Pigment yellow 176	2-5%	90268-24-9	290-824-9

**SECTION4 FIRST-AID MEASURES****Skin Exposure:**

In case of skin contact, flush with copious amounts of water. If skin irritation or rash occurs: Get medical help.

**Eye Exposure:**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

**Inhalation Exposure:**

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.



**Oral Exposure:**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed:**

No data available.

**Indication of any immediate medical attention and special treatment needed:**

No data available.

**SECTION5 FIRE FIGHTING MEASURES****Extinguishing Media:**

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.

**Special hazards arising from the substance or mixture:**

May decompose upon combustion or in high temperatures to generate Carbon oxides, Nitrogen oxides, Hydrogen chloride gas.

**Advice for firefighters:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place.

**SECTION6 ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid breathing vapor or mist. Entry to noninvolved personnel should be controlled around the leakage area by roping off, etc.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Avoid entering drains.

**Methods and materials for containment and cleaning up:**

Mix with inert material (e.g. dry sand, vermiculite) and transfer to a dry, clean, lidded container for disposal. Avoid inhalation. Ventilate area and wash spill site after material pickup is complete.

**SECTION7 HANDLING AND STORAGE****Precautions for safe handling:**

Wear appropriate protective clothing and chemical safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Prevent generation of vapor or mist. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents. Wash hands and face thoroughly after handling. No smoking at working site.

**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 heat, sparks, and flame. Keep away from sources of ignition. Incompatibilities: Strong oxidizing agents. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

**SECTION8 EXPOSURE CONTROL/PPE****Control parameters:**

Not set up.

**Appropriate engineering controls:**

Mechanical exhaust required. Safety shower and eye bath.

**Personal Protective Equipment:**

Respiratory: Wear government approved respirator.

Eye: Wear chemical safety glasses.

Clothing: Wear appropriate protective clothing.

Hand: Wear compatible protective gloves.

**Other Protect:**

No smoking, drinking and eating at working site. Wash thoroughly after handling.

**SECTION9 PHYSICAL/CHEMICAL PROPERTIES**

<b>Appearance:</b>	Yellow liquid
<b>Odor:</b>	Weak odor
<b>Odor Threshold:</b>	No data available
<b>pH Value:</b>	Not applicable
<b>Solubility(ies):</b>	Immiscible in water
<b>Melting Point/</b>	No data available
<b>Freezing Point:</b>	No data available
<b>Boiling Point,</b>	No data available
<b>Initial Boiling</b>	
<b>Point and Boiling</b>	
<b>Range:</b>	
<b>Flash Point</b>	>96.0°C
<b>(Closed Cup):</b>	
<b>Density/Relative</b>	No data available
<b>Density:</b>	
<b>Viscosity:</b>	No data available
<b>Upper/Lower</b>	No data available
<b>Flammability or</b>	
<b>Explosive Limits:</b>	
<b>Vapor Pressure:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>n-Octanol/Water</b>	No data available
<b>Partition</b>	
<b>Coefficient:</b>	
<b>Autoignition</b>	No data available
<b>Temperature:</b>	
<b>Decomposition</b>	No data available
<b>Temperature:</b>	
<b>Evaporation Rate:</b>	No data available
<b>Flammability</b>	Not applicable
<b>(Solid, Gas):</b>	

**SECTION10 STABILITY AND REACTIVITY****Reactivity:**

No data available.

**Chemical stability:**

Stable under normal temperatures and pressures.

**Possibility of hazardous reactions:**

No data available.

**Conditions to avoid:**

No data available.

**Incompatible materials:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Carbon oxides, Nitrogen oxides, Hydrogen chloride gas.

**SECTION11 TOXICOLOGICAL INFORMATION****Acute Toxicity:**Monomer: Rat Oral LD<sub>50</sub>:5000 mg/kg ; Rabbit Skin LD<sub>50</sub>:3600 uL/kg**Skin corrosion/irritation:**

Causes skin irritation.

**Serious eye damage/irritation:**

Causes serious eye irritation.

**Respiratory sensitization:**

No data available.

**Skin sensitization:**

May cause an allergic skin reaction.

**Germ cell mutagenicity:**

No data available.

**Carcinogenicity:**

No data available.

**Reproductive toxicity:**

No data available.

**Specific Target Organ Toxicity -Single Exposure:**

No data available.

**Specific target organ toxicity - repeated exposure:**

No data available.

**Aspiration hazard:**

No data available.

**SECTION12 ECOLOGICAL INFORMATION****Ecotoxicity:**

No data available.

**Persistence and degradability:**

No data available.

**Bioaccumulative potential:**

No data available.

**Mobility in soil:**

No data available.

**Other adverse effects:**

No data available.

**SECTION13 DISPOSAL CONSIDERATION****Appropriate Method of Disposal of Substance:**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.



**SECTION14 TRANSPORT INFORMATION**

**RID/ADR:** The substance is not subject to RID/ADR.  
**IATA DGR:** The substance is not subject to IATA DGR.  
**IMO IMDG Code:** The substance is not subject to IMO IMDG Code.

**SECTION15 REGULATORY INFORMATION****Regulation (EC) No. 1272/2008 and the amendments:**

Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2  
Skin sensitization Category 1

**SECTION16 OTHER INFORMATION****Date:**

2020-03-31

**Department:**

Shanghai Research Institute of Chemical Industry Testing Co., Ltd.  
Tel (Fax) : +86-21-52815377/31765555

**Revision:**

0

**Reference Standard:**GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 8<sup>th</sup> revised edition**Other Information:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.