

# **MSDS**

## **MATERIAL SAFETY DATA SHEET**

**Prepared For** : **SUNLU (Guangdong) Technology Co., Ltd**  
**No. 172, Tanlong North Road, Tanzhou Town, Zhongshan City,**  
**Guangdong Province**

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## Section 1–Chemical Product and Company Identification

**Product:** Toughness Resin

**Trade mark:** N/A

**Model(s):** N/A

**Manufacture:** SUNLU (Guangdong) Technology Co., Ltd

**Address:**No. 172, Tanlong North Road, Tanzhou Town, Zhongshan City, Guangdong Province

**Post Code:** /

**Fax No:** /

**Emergency Telephone:**/

## Section 2– Hazards Identification

### 2.1 GHS label elements, including precautionary statements

**Pictograph:**



**Warning word:**

**Risk statement:**

Danger

H302 is harmful to swallow.

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 caused severe eye damage.

H355 may cause respiratory irritation

H373 Prolonged or repeated exposure may damage organs.

H411 is toxic to aquatic organisms and has long lasting effects

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**Precautionary statement:**

P260 Do not inhale dust/smoke/gas/smoke/vapor/spray.  
P261 Avoid inhaling dust/smoke/gas/smoke/vapor/spray.  
P264 Wash hands and face thoroughly after handling.  
P271 can only be used outdoors or in well-ventilated areas.  
P272 Contaminated work clothes shall not be taken out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/Wear protective clothing/wear protective eye mask/Wear protective mask.

**Accident response:**

P310 Call a detoxification center or doctor immediately.  
P312 If you feel unwell, call a detoxification center or doctor.  
P314 Seek medical attention if you feel unwell.  
P321 Specific treatment (see label).  
P363 Contaminated clothing can be reused only after washing.  
P391 Collect spills  
P301+P310 If swallowed by mistake: Call the detoxification center/doctor immediately.  
P302+P352 IF ON SKIN: Wash with plenty of water  
P304+P340 In case of accidental inhalation: Transfer the victim to a place with fresh air and maintain a resting position with comfortable breathing  
P332+P313 If skin irritation occurs: Seek medical attention.  
P333+P313 If skin irritation or rash occurs: Seek medical attention.  
P362+P364 Remove all contaminated clothing and wash it before reuse.  
P305+P351+P338 If entering eyes: Rinse carefully with water for a few minutes. If contact lenses are worn and can be easily removed, remove them. Keep rinsing.

**Safe storage:**

P403+P233 Store in a well-ventilated place. Keep container airtight.  
P405 storage area must be locked.

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**Waste disposal:** P501 Dispose of contents/containers in accordance with local/regional/national/international regulations.

## 2.2 Other hazards which do not result in classification

No data available

## Section 3– Composition/Information on Ingredient

Chemical Name	CAS No.	In % By Weight
Urethane acrylate	79	51852-81-4
4-acryloylmorpholine	20.4	5117-12-4
Color paste (white)	0.5	13463-67-7
Color paste (black)	0.1	1333-86-4

## Section 4– First Aid Measures

**Skin touch:** Take off contaminated clothing. Wash the contaminated skin with water and soap. Immediately consult a doctor.

**Eyes touch:** Remove contact lenses. Wash the contaminated eye with plenty of water for at least 15 minutes. Avoid powerful water stream. Consult a doctor if disturbing symptoms occur.

**Inhalation:** Remove to fresh air. Keep warm and calm. Consult a doctor, if disturbing symptoms appear.

**Ingestion:** Do not induce vomiting. Rinse mouth with water. Never give anything to drink to an unconscious person. Consult a doctor. Show the container or label.

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## Section 5– Fire Fighting Measures

### 5.1 Extinguishing media

Suitable extinguishing media: Foam, dry extinguishing agents, water spray.

Unsuitable extinguishing media: Water jet-risk of the propagation of the flame.

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

During the fire, the product may produce toxic fumes of carbon monoxide and dioxide, nitric oxides and other unidentified products of thermal decomposition. Do not inhale combustion products.

### 5.3 Advice for firefighters:

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals.

## Section 6– Accidental Release Measures

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

Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe dust, fume, gas, mist, vapors or spray.

### 6.2 Environmental precautions:

Prevent product from entering drains.

### 6.3 Methods and material for containment and cleaning up

Pick up and transfer to properly labeled containers. Avoid generation of dust.

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## Section 7– Handling and Storage

### 7.1 Precautions for safe handling:

Handle in accordance with good occupational hygiene and safety practices. Avoid skin and eyes contamination. Before break and after work wash hands carefully. Use personal protective measures. Ensure adequate ventilation. Do not let the product to get into mouth. Do not breathe dust, fume, gas, mist, vapors or spray.

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

Keep only in original, tightly closed containers in a cool and well-ventilated area. Keep away from food, beverages or feed for animals. Avoid direct exposure to sunlight. Keep away from strong acids and oxidizing agents. After opening, seal the container and store in an upright position to prevent leakage.

## Section 8– Exposure Controls, Personal Protection

### 8.1 Exposure controls:

**Engineering controls:** Ensure adequate ventilation, especially in confined areas.

### 8.2 Personal protective equipment:

#### 8.2.1 Personal protective equipment:

**Respiratory protection:** Special protection is generally not required, but if exposed to dust, it is recommended to wear self absorption filter dust masks.

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**Skin protection:** Wear suitable protective clothing and gloves.

**Eye protection:** Not necessary under normal conditions. Wearing chemical safety protective glasses if necessary.

**8.2.2 Hygiene measures:** Wash hands or take a shower after working.

**8.3 Environmental exposure controls:** Avoid release to the environment

## Section 9– Physical and Chemical Properties

**Physical State:** N/A

**Color:** N/A

**Odor:** N/A

**Density:** N/A

**evaporation point:** N/A

## Section 10– Stability and Reactivity

### Stability:

Normal conditions and stability.

### Avoid material:

N/A

### Avoid contact with conditions:

N/A

### Aggregate hazard:

N/A

### Decomposition products:

N/A

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## Section 11– Toxicological information

This product have mild toxicity. Ingestion may cause mouth, throat and intestinal buns irritation and damage.

Get medical aid.

## Section 12– Ecological Information

**Biodegradability:** Data not

**Precautions:** Not

available

## Section 13– Disposal Considerations

### 13.1 Waste treatment methods

Disposal method for the product: disposal in accordance with the local legislation. Do not empty into drains. Waste code should be given in the place of waste formation. The classification of this waste meets criteria for dangerous waste.

Disposal methods for used packing: reuse/recycling/liquidation of empty containers dispose in accordance with the local legislation. The classification of this waste meets criteria for dangerous waste.

Legal Basis: Directive 2008/98/EC, 94/62/EC.

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## Section 14 – Transport Information

14.1. **UN number:** Not regulated

14.2. **UN proper shipping name:** Not regulated

14.3. **Transport hazard class(es):** Not regulated

14.4. **Packing group:** Not regulated

14.5. **Environmental hazards:** Not regulated

14.6. **Special precautions for user:** Special precautions

14.7. **Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not available

## Section 15– Regulatory information

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
International laws/regulations

15.2 **Endanger the safety of information requirement on the label**  
Requirements for hazard and safety information on the label

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## 15.3 Tags according to EU guidelines

The product should follow the relevant regulations of EU Directive/Hazardous substances regulations

## 15.4 Chemical safety assessment:

A Chemical Safety Assessment is not required for mixtures in accordance with REACH Regulation.

## Section 16– Other Information

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.

\*\*\* End of Report \*\*\*

