

# Safety Data Sheet

## Light curing tray material

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

#### 1.1. Product identifier

Light curing tray material

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

#### 1.3. Details of the supplier of the safety data sheet

Company Name: Shandong Huge Dental Material Corporation  
Address: No.68 shanghai Road, Donggang District  
City, State, Zip Code: Rizhao City, Shandong Province, 276800, P.R.China  
Telephone: 86-633-2277268  
email address: marketing@hugedental.com  
Website: www.hugedental.com

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Categorization: Xi R36/37/38  
N R51/53

Potential Hazards: Irritant, dangerous to the environment.

#### 2.2. Label elements

No risks worthy of mention.

#### 2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

### SECTION 3: Composition/information on ingredients

#### Chemical characterization

General information: Mixture of acrylate, fillers, additives.

#### Hazardous components:

Ingredients	Cas-No./ EINECS-No./ EG-No.	Percentage (%)	Identification
Oligomeric urethane acrylate		0-10	Xi, R36/37/38, N, R51/53
Vinyl ester resin (acrylates)		0-10	N, R51/53
Triethylenglykoldi-methacrylate	Cas-No. 109-16-0 EINECS-No.203-652-6 EG-No. 607-114-00-5	0-10	none
Phosphine oxide		0-1	Xn, R62

#### Classification:

DPD: Directive 67/548/EEC.  
CLP: Regulation No. 1272/2008.:

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### **After inhalation**

Take person to fresh air.

##### **After contact with skin**

Wash off skin with soap and water. Contact a physician if the skin is irritated.

##### **After contact with eyes**

Rinse eyes an efficient time. Contact ophthalmologist if irritation is persisting

##### **After ingestion**

Seek medical advice immediately .

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

None known.

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

Hazards: No specific recommendations.

Treatment: No specific recommendations.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

Foam, Dry powder, carbon dioxide, water spray-stream.  
Adjust fire-fighting-measures to ambiance.

##### **Extinguishing media which must not be used for safety reasons**

None known.

##### **Advice for firefighters Special Fire Fighting Procedures**

None.

##### **Special protective equipment for fire-fighters**

Use conventional measures to combat chemical fires, that means use self- contained breathing apparatus(isolating-unit) .

### SECTION 6: Accidental release measures

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

Arrange for fresh air.

#### 6.2. Environmental precautions

Do not drain into canalization.

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

Pick up material mechanically. Dispose only complete light cured material. Dispose material under adherence to the local official rules for hazardous wastes.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

The conventional precautions for works with chemicals are to be adhered.  
Wear overall while working.

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

Store at a cool, dry and light protected place.

Storage time : 3 years if storage conditions will be kept.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.

#### 8.2. Exposure controls

##### General information:

No specific precautions.

##### Eye/face protection:

Wear protection goggles when working at material.

##### Skin protection:

Wear business usual protection clothes.

##### Other:

None.

##### Respiratory Protection:

Not necessary.

##### Hygiene measures:

Comply business usual protection-and hygienic measures. Preventive skin protection. Wash hands and skin after finishing work.

##### Environmental Controls:

No data available.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance

Form: upper jaw and lower jaw pattern, kneadable mass.  
Appearance: paste-like mass  
Colour: pink  
Odour/Flavour: acrylates/methacrylates

##### Safety relevant data:

Flashpoint: not available(approx.>100° C)  
appreciated by the flash point of the ingredients no symbol necessary.  
  
Density: not available  
Solubility in water: insoluble in water  
PH-value: not applicable

### SECTION 10: Stability and reactivity

#### 10.1.Reactivity

Not relevant.

#### 10.2.Chemical stability

Stable

#### 10.3.Possibility of hazardous reactions

No data available.

#### 10.4.Conditions to avoid

Beware of heat,solar radiation and light impact to avoid early slow polymerization.

#### 10.5.Incompatible materials

Radical former(product polymerises slowly at contact)

#### 10.6.Hazardous decomposition products

None,if used according to directions.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

At skin: Irritation  
At Eyes: Irritation  
At respiratory system: Irritation

##### Further details

The product has to be handled with the usual care when handling with chemicals. Methacrylates may cause allergic reactions.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Fish toxicity: Not applicable.  
Water organism: Not applicable.  
Bacteria toxicity: Not applicable.

#### 12.2. Persistence and degradability

Not applicable.

#### 12.3. Further information to ecology

Do not allow materials to reach ground water, body of waters or sewage system!

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### General information

The user's attention is drawn to the possible existence of local regulations regarding disposal.

##### Disposal Methods

To dispose of accordingly with notice of the local regulations of authority. Do not empty into drains.  
Disposal key according to AVV regulation: 16 03 05 (organic disposal, that contains hazardous substances).

### SECTION 14: Transport information

None

### SECTION 15: Regulatory information

#### Code letter and hazard description of the product:



Xi: irritant  
R36/37/38 Irritating to eyes, respiratory system and skin



N, dangerous to the environment  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

#### GHS-Labeling:



Caution  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H315 Causes skin irritation



H411 Toxic to aquatic life with long lasting effects

**Water hazard class:** Water Hazard Class 2 (Estimation on the basis of the ingredients)

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## SECTION 16: Other information

No further technical information

The present data sheet contains technical-scientific information processed at best of our knowledge. We recommend verifying national and regional regulations applicable to the specific utilize field as well as regulations relative hygienic and safety on work and environment worship.

All information contained in the present data sheet is correct and processed in good faith. However they do not involve any obligation, guarantee and patent concession.

The characteristics mentioned in the following document do not constitute contractual specifications.