

## Polygel MSDS (Material Safety Data Sheet)

### 1. Product Information

Product classification : UV curing acrylic resin adhesive

### 2. Composition/Information on Ingredients

COMPOSITION&INGREDIENT INFORMATION				
No.	INCI NAME	CAS#	FUNCTION	% (W/T)
1	ACRYLATES COPOLYMER	25133-97-5	Resin	70-75
2	POLYURETHANE	51852-81-4	Resin	10-15
3	2-HYDROXYETHYL METHACRYLATE (HEMA)	868-77-9	dilution	0.2-0.5
4	Ethyl (2,4,6-trimethylbenzoyl) phenylphosphinate	<a href="#">84434-11-7</a>	Light- curing	0.1-0.2
5	FUMED SILICA	112945-52-5	Pigment	10-13
<b>May Contain [+/-]:</b>				
6	CI 45410	13473-26-2	pigment	0.1-3
7	CI 15850	5281-04-9	pigment	0.1-3
8	CI 19140	12225-21-7	pigment	0.1-3
9	CI 7742	10101-66-3	pigment	0.1-3
10	CI 77510	25869-00-5	pigment	0.1-3
11	CI 77499	12227-89-3	pigment	0.1-3
12	CI 77891	13463-67-7	pigment	0.1-3
13	CI 77288	1308-38-9	pigment	0.1-3
<b>Total:</b>				100

### 3. Psychochemical Property

Odor	Acrylate resin
pH	7.0
Density (g/cm <sup>3</sup> )	1.07

### 4. Hazards Identification

The products contain acrylic resin may cause skin, eye and respiratory tract Mild irritation

Accidental ingestion : Harmful for health

Accidental into the eye: Stimulated

Inhalation: at the first beginning and long time short distance contact may Stimulate the Respiratory tract.

Skin contact : skin contact excess or repeating with glue , may stimulate skin , few person has Skin allergy.

Sight contact: first contact or long time short distance contact may stimulate eyes

#### **5. Rescue measures**

Inhalation: remove to fresh air.

Skin contact: immediately flush skin with cleaning fluid or soap, stop contacting and get Medical attention when cause skin allergy.

Eye contact: immediately flush eyes with plenty of water for 15 minutes. Get medical Attention when still feels uncomfortable.

Accidental ingestion: Get immediate medical attention.

#### **6. Handling and storage**

Handling: use in the area with appropriate exhaust ventilation. Do not use in high temperature, frozen, sparks and flame condition. Prevent directly contact with skin and clothing.

Storage: store in cool and dry condition. Do not fall the poured out gel back to the original container.

Quality guarantee period: 12 months.

#### **7. Personal protection**

Accidental ingestion protection: paste mark like “Industrial Materials” or “Fasting” or other on the obvious place of the package.

Skin and eyes protection: use gel in the ventilation and spacious environment. Suggest using disposable gloves or fingering cot for direct user. Suggest using with automatic machine to reduce body contacting.

#### **8. Stability and Activity**

Stability: may affect the stability in environment that exposure to the light, high temperature.

Storage temperature: 8 - 28 °C

Hazardous decomposition products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Oxides of

phosphorus. Other organic gas

Incompatibility: Strong oxidizing agents. Strong Acids & Alkaline.

#### **9. Toxicological information**

This product is free solvent, carcinogenic material. The general damage is contact stimulation; excessive or repeated contact may stimulate skin; at the first beginning and long time short distance contact may stimulate eyes. The main irritant is acrylic esters.

This product is a low toxicity, LD50>3000mg/kg

#### **10. Ecological information**

Avoid directly into the pool of water or sewer before curing. It is typical polymer after curing, which is no direct damage to environment.

#### **11. Fire prevention measure**

Flash point: 105<sup>o</sup>

Auto ignition temperature: not available

Flammable/blast minimum levels: not available

Flammable blast maximum levels: not available

Fire extinguishing way: foam fire extinguisher and dry-ice fire extinguishers

Special fire prevention measures: none

Unusual fire or explosion: uncontrollable polymerization at high temperature can cause explosion or crack of the bottle.

Harmful products of combustion: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Oxides of phosphorus. Other irritating organic gas.

#### **12. Handling guidelines**

After use, the rest of the products of bottles, carton should be handled in accordance with the relevant management.

Due to this product with slight harm to environment before and after using, so there is no strict requirements' processing.

#### **13. Transportation**

This products does not contain the international confine of dangerous substances



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#### 14. Law

This product applies with regulations; do not belong to the security permission production products.

#### 16. Others

Above details is the security information of LB- Nail shop. Any question or want to get more information, welcome to contact us.

