

UV Gel MSDS (Material Safety Data Sheet)

1. Company Information

Company: heyuan Ransheng innovate materials Co., Ltd
FACTORY ADDRESS: RANSHENG INDUSTRY ZONE , 205 NATION ROAD,XIANTANG TOWN,TONGYUAN COUNTY,HEYUAN CITY ,GUANGDONG PROVINCE
Address: 5th Floor,Building E,Zhahui Business Park,No.33,Wangyuan RD.,Tianhe,Guangzhou,510660 China
Telephone: 020-85654203
Fax: 020-85654536
Web: www.ransheng.net

2. Product Information

Product model: 4009-133
Product classification : Uv /LED curing acrylic resin adhesive
Product Application : Mainly used in Logo making, decoration and souvenir making.

3. Composition/Information on Ingredients

INCI NAME	CAS No.	Content(%)	FUNCTION
ACRYLATES COPOLYMER	25133-97-5	50-90	Resin
Hydroxypropyl methacrylate	27813-02-1	10-30	dilution
2,4,6-trimethylbenzoyldiphenyl phosphine oxide	75980-60-8	0.3-3	photoinitiator
1-hydroxycyclohexyl phenyl ketone	947-19-3	0.3-3	photoinitiator

4. Psicochemical Poperty

Physical state	clear liquid
Color	clear
Odor	Acrylate resin
PH	6.2
Density (g/cm3)	1.09

5. 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

6. 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.

7. 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.

8. 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.

9. 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.

10. 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

11. 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.

12. Fire prevention measure

Flash point : 105 °C

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.

13. 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.

14. Transportation

This products does not contain the international confine of dangerous substances

15. Law

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

16. Others

Above details is the security information of Ran Sheng innovate materials . Any question or want to get more information, welcome to contact us.

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