

# Material Safety Data Sheet

## 1. Chemical product and company identification

Product name: Base Gel	Manufacturer : Shizhiyu (Guangzhou) Biotechnology Co., Ltd.
Product No: 2810	Address:Room 1303, Longhui Building, No. 5 Longkou East Road, Tianhe District,Guangzhou, Guangdong, 510000 China
Product type: Ultraviolet Gel	Telephone:+86-020-87549092
Product Use: Nail Gel	Fax:

## 2. Ingredients

Chemical Components	CAS NO	INCI NO	Concentration WT%
Acrylates Copolymer	25035-69-2	Acrylates Copolymer	40--60
HEMA	868-77-9	HEMA	10-25
Isopropyl Alcohol	67-63-0	Isopropyl Alcohol	10-25
Dimethicone	9006-65-9	Dimethicone	10-25
Polymethyl methacrylate	9011-14-7	Polymethyl methacrylate	1-5
Trimethylolpropane Triacrylate	15625-89-5	Trimethylolpropane Triacrylate	1-5
Microcrystalline Wax	63231-60-7	Microcrystalline Wax	1-5
Hydroxycyclohexyl phenyl ketone	947-19-3	Hydroxycyclohexyl phenyl ketone	1-5

## 3. Hazards identification

### Emergency Overview

**Physical state:** Liquid

**Color:**light

**Odor:** light

**Personal Protection:** See Section 8

**HEALTH:** 1\*

**FLAMMABILITY:** 2

**PHYSICAL HAZARD:** 1

**WARNING:** HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED.DO NOT SPRAY. DO NOT HEAT.MAY CAUSE ALLERGIC SKIN REACTION.CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

**Relevant routes of exposure:** Skin, Inhalation, Eyes

## **Potential Health Effects**

**Skin contact:** Contact skin will cause irritation.

**Eye contact:** Contact with eyes will cause irritation.

## **4. First aid measures**

**Inhalation:** Remove to fresh air. If symptoms develop and persist, get medical attention.

**Skin contact:** Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing

and shoes. Wash clothing before reuse. Get immediate medical attention if symptoms occur.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**Ingestion:** Do not induce vomiting. Keep individual calm. Get medical attention immediately

## **5. Fire-fighting measures**

**Flash point:**105°C

**Autoignition temperature:** Not available

**Flammable/Explosive limits-lower %:** Not available

**Flammable/Explosive limits-upper %:** Not available

**Extinguishing media:** Foam, dry chemical or carbon dioxide.

**Special fire fighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Unusual fire or explosion hazards:** Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.

**Hazardous combustion products:** Oxides of carbon. Oxides of nitrogen. Irritating organic vapors. Toxic fumes.

## **6. Accidental release measures**

**Environmental precautions:** Remove sources of ignition. Prevent product from entering drains or open waters.

**Clean-up methods:** Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

## **7. Handling and storage**

**Handling:** Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. DO NOT heat or spray. Use only with adequate ventilation. Refer to Section 8. Use only in area provided with appropriate exhaust ventilation.

**Storage:** For safe storage, store at or below 26°C (80°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

**Incompatible products:** Refer to Section 10.

## 8. Exposure controls/personal protection

**Engineering controls:** Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

**Respiratory protection:** Use COSHA approved respirator if there is potential to exceed exposure limit(s). If this material is handled at elevated temperatures or under mist forming conditions, without engineering controls, a COSHA approved respirator must be used.

**Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves.

**Eye/face protection:** Safety goggles or safety glasses with side shields. In a splash hazard environment, chemical goggles should be used in combination with a full face shield.

## 9. Physical and chemical properties

**Physical state:** Liquid

**Color:** transparent

**Odor:** light

**Vapor pressure:** Not available

**pH:** Not applicable

**Boiling point/range:** Greater than 93°C (200°F)

**Melting point/range:** Not available

**Specific gravity:** 1.10

**Vapor density:** Not available

**Evaporation rate:** Not available

**Solubility in water:** Slight

**Partition coefficient (n-octanol/water):** Not available

**VOC content:** Total volatiles 0.80 %

## 10. Stability and reactivity

**Stability:** Stable under normal conditions of storage and use.

**Hazardous polymerization:** May occur.

**Hazardous decomposition products:** Oxides of carbon. Oxides of nitrogen. Dimethylamine. Irritating organic vapors.

**Incompatibility:** Strong acids. Strong oxidizing agents. Bases.

**Conditions to avoid:** Heat, flames, sparks and other sources of ignition. Do not heat above 26°C(80°C).

## 11.Toxicological information

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	COSHA Carcinogen
Acrylates Copolymer	NO	NO	NO
HEMA	NO	NO	NO
Isopropyl Alcohol	NO	NO	NO
Dimethicone	NO	NO	NO
Polymethyl methacrylate	NO	NO	NO
Trimethylolpropane Triacrylate	NO	NO	NO
Microcrystalline Wax	NO	NO	NO
Hydroxycyclohexyl phenyl ketone	NO	NO	NO

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Acrylates Copolymer	No Records
HEMA	No Records
Isopropyl Alcohol	No Records
Dimethicone	No Records
Polymethyl methacrylate	No Records
Trimethylolpropane Triacrylate	No Records
Microcrystalline Wax	No Records
Hydroxycyclohexyl phenyl ketone	No Records

## 12.Ecological information

**Ecological information:** Not available

## 13.Disposal considerations

**Information provided is for unused product only.**

**Recommended method of disposal:** Dispose of according to P.R.C, province and local governmental regulations.

**ECE hazardous waste number:** Not a RCRA hazardous waste.

#### **14. Transport information**

**The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified).**

**Shipping classification may be different for bulk packaging.**

**P.R.C Department of Transportation Ground :**

**Proper shipping name:** Unrestricted

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**International Air Transportation (ICAO/IATA):**

**Proper shipping name:** Unrestricted

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**Water Transportation (IMO/IMDG):**

**Proper shipping name:** Unrestricted

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**Marine pollutant:** None

#### **15. Regulatory information**

**P.R.C Regulatory Information**

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.