

# Material Safety Data Sheet

## SECTION 1. IDENTIFICATION

**Trade Name: Polygel Base Gel**

**Company: Diamondsandglossaustralia**

**Tel Number: 0424184840**

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CAS	%
Acrylates Copolymer	25035-69-2	70
Pentaerythritol tetra(3-mercaptopropionate)	7575-23-7	21
2-Isopropyl Thioxanthone	5495-84-1	3
Trimethylbenzoyl Diphenylphosphine Oxide	75980-60-8	5
Dimethicone	9006-65-9	1

## SECTION 3. HAZARDS IDENTIFICATION

**This substance is considered to be non-hazardous for transport.**

### EMERGENCY OVERVIEW

**Physical state: Liquid**

**Health: 1\***

**Color: Clear**

**Odor: Light**

**Personal Protection: See Section 8**

**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.**

#### **SECTION 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.**

#### **SECTION 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.**

## **SECTION 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.**

## **SECTION 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.**

## **SECTION 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.**

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state: Liquid**

**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 %**

## SECTION 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.**

**Irritating organic vapors.**

**Incompatability: 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).**

## SECTION 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous Components	NTP Carcinogen	IARC Carcinogen	COSHA Carcinogen
Acrylates Copolymer	NO	NO	NO
Pentaerythritol tetra(3-mercaptopropionate)	NO	NO	NO
2-Isopropylthioxanthone	NO	NO	NO
Trimethylbenzoyl Diphenylphosphine	NO	NO	NO

<b>Oxide</b>			
<b>Dimethicone</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>Pigment</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

### Literature Referenced Target Organ & Other Health Effects

<b>Hazardous components</b>	<b>Health Effects/Target Organs</b>
<b>Acrylates Copolymer</b>	<b>No Records</b>
<b>Pentaerythritol tetra(3-mercaptopropionate)</b>	<b>No Records</b>
<b>2-Isopropylthioxanthone</b>	<b>No Records</b>
<b>Trimethylbenzoyl Diphenylphosphine Oxide</b>	<b>No Records</b>
<b>Dimethicone</b>	<b>No Records</b>
<b>Pigment</b>	<b>No Records</b>

## SECTION 12. ECOLOGICAL INFORMATION

**Ecological information: Not available**

## SECTION 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.**

## SECTION 14. TRANSPORT INFORMATION

**DOT: Non-Hazardous For Transport: This Substance Is Considered To Be Non-Hazardous For Transport.**

**RID/ADR: Non-Hazardous For Transport: This Substance Is Considered To Be Non-Hazardous For Transport.**

**Iata: Non-Hazardous For Air Transport**

**Imo: Non-Hazardous For Sea Transport**

## SECTION 15. REGULATORY INFORMATION

**EU Additional Classification:**

**R36**

**Risk Statements: Irritating to eyes.**

**S 2 26**

**Safety Statements: Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical.**

## SECTION 16. OTHER INFORMATION

**Hazard Rating System (Pictograms)**

**NFPA:**

**HMIS:**

1	Health
1	Flammability
1	Reactivity

The diagram shows an NFPA hazard diamond with a blue left side (Health), a red top side (Flammability), and a yellow right side (Reactivity), all containing the number 1. The bottom side is white. To the right, the HMIS pictogram consists of three stacked colored boxes: blue (Health), red (Flammability), and yellow (Reactivity), each with a white circle containing the number 1. Below these is a white empty box.

**DISCLAIMER: The above information is believed to be correct but does not purport**

**to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.**