



## POLYURETHANE GEL SDS

---

### Safety Datasheet (SDS)

The enclosed Safety Data Sheet (SDS) presents data based on the raw materials used in the preparation of our polyurethane (PU) Gel products, and is based on information obtained from our raw material suppliers.

Cured PU Gel materials are considered a solid article, and are unlikely to pose a health hazard to industrial workers under ordinary use condition.

Please contact Gel-Pak® with any questions.

### **GEL-PAK**

31398 Huntwood Avenue, Hayward, CA 94544

**Toll-Free** 888-621-4147 **Phone** 510-576-2220 **Fax** 510-576-2282

**Website** [www.gelpak.com](http://www.gelpak.com)

Division of

**DELPHON**

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

---

**PRODUCT NAME:** Proprietary Polyurethane Elastomer

**SYNONYMS:** PU Gel, Urethane Gel

**MANUFACTURER:** Gel-Pak

**ADDRESS:** 31398 Huntwood Avenue, Hayward, CA 94544-7818

**EMERGENCY PHONE:** 510-576-2220

**FAX PHONE:** 510-576-2282

**CHEMICAL NAME:** Proprietary

**CHEMICAL FAMILY:** Proprietary

**CHEMICAL FORMULA:** Proprietary

**PREPARED BY:** Chris Lundeen

**SECTION 1 NOTES:** None

**SECTION 2: HAZARDS IDENTIFICATION**

---

**EMERGENCY OVERVIEW:**

**ROUTES OF ENTRY:**

---

**POTENTIAL HEALTH EFFECTS**

**EYES:** Direct contact may cause redness and discomfort.

**SKIN:** No significant irritation expected from a single short term exposure.

**INGESTION:** Low ingestion hazard in normal use.

**INHALATION:** No significant effects expected from a single short-term exposure.

**ACUTE HEALTH HAZARDS:** No known acute hazards during normal use.

**CHRONIC HEALTH HAZARDS:** No known chronic hazards during normal use.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** No known applicable information

**CARCINOGENICITY**

**OSHA:** N/A      **ACGIH:** N/A      **NTP:** N/A  
**IARC:**  
**OTHER:** N/A

**NFPA (National Fire Protection Agency) Ratings:**

Health: 1  
 Flammability: 1  
 Instability/Reactivity: 0

**SECTION 2 NOTES:**

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for detailed toxicology information.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**INGREDIENT:**

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>
<u>SARA 313 REPORTABLE</u>		
Proprietary formulation	N/A	N/A
	<u>ppm</u>	<u>mg/m3</u>
<b>OSHA PEL-TWA:</b> N/A		
<b>OSHA PEL STEL :</b>	N/A	
<b>OSHA PEL CEILING:</b>	N/A	

**ACGIH TLV-TWA:** N/A  
**ACGIH TLV STEL:** N/A  
**ACGIH TLV CEILING:** N/A

## SECTION 3 NOTES:

**Proprietary Elastomeric Polymer Formulation**

---

## SECTION 4: FIRST AID MEASURES

---

### EYES:

**Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.**

### SKIN:

**If contact occurs, flush with soap and lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.**

### INGESTION:

**Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a Physician.**

### INHALATION:

**If symptoms are experienced remove source of contamination or move victim to fresh air. If irritation persists, obtain medical advice.**

### NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

**Treat according to person's condition and specifics of exposure.**

---

**SECTION 4 NOTES:**

None

---

**SECTION 5: FIRE-FIGHTING MEASURES**

---

**FLAMMABLE LIMITS IN AIR, UPPER:**

(% BY VOLUME)                      LOWER: None determined

**FLASH POINT:**

>250°F (>121°C)

**AUTOIGNITION TEMPERATURE:**

Not determined

**NFPA HAZARD CLASSIFICATION**

HEALTH:                      1                      FLAMMABILITY:                      1                      REACTIVITY: 0  
OTHER:                      0

**HMIS HAZARD CLASSIFICATION**

HEALTH:                      N/A                      FLAMMABILITY:                      N/A                      REACTIVITY: N/A  
Protection:                      N/A

**EXTINGUISHING MEDIA:**

Use dry chemical, foam, carbon dioxide (CO<sub>2</sub>), dry chemical, or fine water spray.

**SPECIAL FIRE FIGHTING PROCEDURES:**

**Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire-exposed containers cool.**

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**SECTION 5 NOTES:** None

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

**ACCIDENTAL RELEASE MEASURES:** N/A

**SECTION 6 NOTES:** None

---

**SECTION 7: HANDLING AND STORAGE**

---

**HANDLING AND STORAGE:** **Wear gloves when directly handling Gel material. Use with adequate ventilation. Avoid eye contact and do not consume food/drink in close proximity with Gel material.**

**OTHER PRECAUTIONS:** Use reasonable care and store away from oxidizing materials.

**SECTION 7 NOTES:** None

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**ENGINEERING CONTROLS:** None

**VENTILATION:** Local ventilation should not be needed.  
General ventilation is recommended.

**RESPIRATORY PROTECTION:** No respiratory protection should be needed.

**EYE PROTECTION:** Use proper protection - safety glasses as a minimum. Avoid contact with eyes.

**SKIN PROTECTION:** Wear gloves when handling. Wash hands with soap and water after direct contact with skin.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**WORK HYGIENIC PRACTICES:** Handle in accordance with good industrial hygiene and safety practices.

**EXPOSURE GUIDELINES:** None



**SECTION 8 NOTES:** None

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

---

**APPEARANCE:** Colorless

**ODOR:** Minimal odor

**PHYSICAL STATE:** Solid

**pH:** Not determined

**BOILING POINT:** >212°F (>100°C)

**MELTING POINT:** Not determined

**FREEZING POINT:** Not determined

**VAPOR PRESSURE (mmHg):** Not determined

**VAPOR DENSITY (AIR = 1):** Not determined

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** Not determined

**EVAPORATION RATE:** Not determined

**SOLUBILITY IN WATER:** Insoluble

**PERCENT SOLIDS BY WEIGHT:** >95%

**PERCENT VOLATILE:** <1%

**VOLATILE ORGANIC COMPOUNDS (VOC):** Not determined

**VISCOSITY:** N/A

**SECTION 9 NOTES:**

The above information is not intended for use in preparing product specifications.

**SECTION 10: STABILITY AND REACTIVITY**

---

<b>STABILITY:</b>	<b>Stable</b>
<b>CONDITIONS TO AVOID (STABILITY):</b>	<b>Avoid contact with strong oxidizers</b>
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>	<b>Strong oxidizers can cause a reaction</b>
<b>HAZARDOUS DECOMPOSITION BY-PRODUCTS:</b>	<b>Carbon oxides, nitrogen oxides (NO<sub>x</sub>), sulphur oxides, hydrogen fluoride, lithium oxides</b>
<b>HAZARDOUS POLYMERIZATION:</b>	<b>None</b>
<b>CONDITIONS TO AVOID (POLYMERIZATION):</b>	<b>None</b>
<b>SECTION 10 NOTES:</b>	<b>None</b>

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**TOXICOLOGICAL INFORMATION:** **No known applicable information.**

**SECTION 11 NOTES:** **None**

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

**ECOLOGICAL INFORMATION:** No known applicable information.

**SECTION 12 NOTES:** None

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

**WASTE DISPOSAL METHOD:** Follow state or local regulatory requirements for disposal.

**RCRA HAZARD CLASS:** N/A

**SECTION 13 NOTES:** Not classified as hazardous waste under 40 CFR 261.

**SECTION 14: TRANSPORT INFORMATION**

---

**U.S. DEPARTMENT OF TRANSPORTATION**

**Not subject to DOT.**

**WATER TRANSPORTATION**

**Not subject to IMDG code.**

**AIR TRANSPORTATION**

**Not subject to IATA regulations.**

**OTHER AGENCIES:**

**N/A**

**SECTION 14 NOTES:**

**None**

**SECTION 15: REGULATORY INFORMATION**

---

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** N/A

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None.

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** None.

**311/312 HAZARD CATEGORIES:** None

**313 REPORTABLE INGREDIENTS:** None

**STATE REGULATIONS:**

Follow state or local regulatory requirements for reporting

**INTERNATIONAL REGULATIONS:**

Follow any applicable international regulatory requirements.

**SECTION 15 NOTES:**

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

## SECTION 16: OTHER INFORMATION

---

**OTHER INFORMATION:**                      **None.**

**PREPARATION INFORMATION:**      **None.**

### **DISCLAIMER:**

**These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.**