

**TECHNICAL DATASHEET**

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

The toxicity information indicates that adverse effects are unlikely to result from exposure to these materials during industrial handling; they are unlikely to cause eye or skin irritation, and are unlikely to cause any adverse systemic injury from skin absorption, oral injection, or inhalation.

The cured Gel material is also unlikely to pose a health hazard to industrial workers under ordinary use condition.

Please contact Gel-Pak<sup>®</sup> with any questions.

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** Proprietary Thermoset Polyurethane Elastomer  
**SYNONYMS:** Gel Product

**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

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**SECTION 2: HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:**

**ROUTES OF ENTRY:**

**POTENTIAL HEALTH EFFECTS**

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

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

**INGESTION:** Toxic if swallowed.

**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.

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

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<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>CONCENTRATION (%)</u>
polyurethane elastomer	N/A	Proprietary
	<u>ppm</u>	
OSHA PEL-TWA:	N/A	
OSHA PEL STEL :	N/A	
OSHA PEL CEILING:	N/A	
ACGIH TLV-TWA:	N/A	
ACGIH TLV STEL:	N/A	
ACGIH TLV CEILING:	N/A	

**SECTION 3 NOTES:**  
Proprietary Elastomeric Polyurethane Formulation

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**SECTION 4: FIRST AID MEASURES**

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**EYES:**  
If irritation occurs, flush eye(s) with lukewarm gently flowing water for 5 minutes. Obtain medical attention.

**SKIN:**  
No health effects expected. If irritation does occur flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

**INGESTION:**  
Do NOT induce vomiting. Do not give anything to drink. Get immediate medical attention.

**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

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**SECTION 5: FIRE-FIGHTING MEASURES**

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**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:**  
On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire-exposed containers.

**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

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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ACCIDENTAL RELEASE MEASURES: Not Applicable  
SECTION 6 NOTES: None

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**SECTION 7: HANDLING AND STORAGE**

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HANDLING AND STORAGE: Use with adequate ventilation. Avoid eye contact.  
OTHER PRECAUTIONS: Use reasonable care and store away from oxidizing materials.  
SECTION 7 NOTES: None

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

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ENGINEERING CONTROLS: None  
VENTILATION: Local ventilation not needed. General ventilation is recommended.  
RESPIRATORY PROTECTION: No special protective measures are necessary.  
EYE PROTECTION: No special protective measures are necessary.  
SKIN PROTECTION: Gloves recommended if direct contact with the Gel is required.  
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

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE: Colorless  
ODOR: Odorless  
PHYSICAL STATE: Solid  
pH: Not determined  
BOILING POINT: Not determined  
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: Not determined  
PERCENT SOLIDS BY WEIGHT: Not determined  
PERCENT VOLATILE: Not determined  
VOLATILE ORGANIC COMPOUNDS (VOC): Not determined  
MOLECULAR WEIGHT: Not determined  
VISCOSITY: Not determined

SECTION 9 NOTES:  
The above information is not intended for use in preparing product specifications.

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**SECTION 10: STABILITY AND REACTIVITY**

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STABILITY: Stable  
CONDITIONS TO AVOID (STABILITY): None  
INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon oxides, nitrogen oxides, sulphur oxides, hydrogen fluoride, lithium oxides

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HAZARDOUS POLYMERIZATION: None

CONDITIONS TO AVOID (POLYMERIZATION): None

SECTION 10 NOTES: None

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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TOXICOLOGICAL INFORMATION: No known applicable information.

SECTION 11 NOTES: None

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**SECTION 12: ECOLOGICAL INFORMATION**

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ECOLOGICAL INFORMATION: No known applicable information.

SECTION 12 NOTES: None

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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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.

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**SECTION 14: TRANSPORT INFORMATION**

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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

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**SECTION 15: REGULATORY INFORMATION**

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**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.

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**SECTION 16: OTHER INFORMATION**

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OTHER INFORMATION: None.

PREPARATION INFORMATION: None.

**DISCLAIMER:**

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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.

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