



VERTEC POLYURETHANE ELASTOMER SDS

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® 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

Division of

DELPHON

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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

SECTION 2: HAZARDS IDENTIFICATION

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: N/A
 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:	CAS NO.	CONCENTRATION (%)
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

SECTION 4: FIRST AID MEASURES

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

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:

On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), 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

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Not Applicable

SECTION 6 NOTES: None

SECTION 7: HANDLING AND STORAGE

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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 ₂ 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.

SECTION 10: STABILITY AND REACTIVITY

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
HAZARDOUS POLYMERIZATION:	None
CONDITIONS TO AVOID (POLYMERIZATION):	None
SECTION 10 NOTES:	None

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.