

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ST-4 & ST-6
SYNONYMS: Styrene-Ethylene/Butylene-Styrene Copolymer Compound

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 irritation expected from short term exposure.

INGESTION: Product is considered to have a low degree of acute oral toxicity.

INHALATION: Product is not expected to cause irritation to the nose, throat, or respiratory tract.

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: Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product.

CARCINOGENICITY

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

OTHER: N/A

NFPA (National Fire Protection Agency) Ratings:

Health: 0
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	N/A
	<u>ppm</u>	<u>mg/m3</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:

This material does not contain any chemicals considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and/or EU Regulation (EC) No 1272/2008.

SECTION 4: FIRST AID MEASURES

EYES:

Flush eye(s) with water. If irritation occurs, 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:

If irritation or discomfort occurs, obtain medical advice.

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: 0	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, CO₂, or water spray.

SPECIAL FIRE FIGHTING PROCEDURES:

Material will not burn unless preheated. Do not enter confined fire space without bunker gear (helmet with face shield, bunker coat, gloves and rubber boots) including a positive pressure NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None

HAZARDOUS DECOMPOSITION PRODUCTS:

None

SECTION 5 NOTES:

None

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SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: No special measures required. Treat as ordinary non-hazardous solid waste.

SECTION 6 NOTES: None

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Product can accumulate static charges when handled. Equipment should provide a means of dissipating charge.

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 : Adequate ventilation and/or engineering controls are required when the product is heated for processing.

RESPIRATORY PROTECTION: No respiratory protection should be needed.

EYE PROTECTION: Avoid contact with eyes, safety glasses are recommended.

SKIN PROTECTION: Gloves recommended. Washing before mealtime and end of shift is adequate.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

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

EXPOSURE GUIDELINES: There are no components with workplace exposure limits.

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless

ODOR: Odorless

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 (H₂O = 1): 0.89

EVAPORATION RATE: Not determined

SOLUBILITY IN WATER: Negligible

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):	In processing, do not allow the temperature to exceed 550°F. Maintain fire watch if 550°F is reached.
INCOMPATIBILITY (MATERIAL TO AVOID):	Avoid contact with strong oxidizers.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	At processing temperatures, some degree of thermal degradation will occur. Although highly dependent on temperature and environmental conditions, a variety of decomposition products may be present ranging from simple hydrocarbons (such as methane and propane), to toxic/irritating gases (carbon monoxide, carbon dioxide, acrolein, ketones, aldehydes, and acids). See Special Precautions.
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:	Place in appropriate waste disposal container in compliance with federal, state and local regulations.
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 regulations.

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): Some of the components of this product are listed on the EPA/TSCA inventory of chemical substances.

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

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

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311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: Follow state or local regulatory requirements for reporting.

California Proposition. 65 -  **WARNING:** This product can expose you to the chemical listed below, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.
Toluene 108-88-3

INTERNATIONAL REGULATIONS: Follow any applicable international regulatory requirements.

SECTION 15 NOTES:
None.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

PREPARATION INFORMATION: None

DISCLAIMER:

The information contained herein is based on the data available to us and is believed to be correct; however, Delphon Ind. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Delphon Ind. assumes no responsibility for injury from the use of the product described herein.