



GEL MSDS

Technical Datasheet

The enclosed Material Safety Data Sheet (MSDS) 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

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Division of

DELPHON

1. PRODUCT AND COMPANY IDENTIFICATION

Revision Date: 2010/05/03

Generic Description: Proprietary Polymer Formulation

Color: Colorless

Odor: Some odor

NFPA Profile: Health 0 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Acute Effects

Eye: Direct contact may cause temporary redness and discomfort.

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

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

Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects

Skin: No known applicable information.

Inhalation: No known applicable information.

Oral: No known applicable information.

Other Health Effects

This product contains a chemical(s) that has the following effect(s):

None

See Section 11 for specific details.

Signs and Symptoms of Overexposure

No known applicable information

Medical Conditions Aggravated by Exposure

No known applicable information.

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 the detailed toxicology information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Elastomeric Polymer

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.

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

Oral: If irritation or discomfort occur, obtain medical advice.

Notes to Physician: Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

Flash Point: > 250 F

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

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.

Fire Fighting Measures: 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 Hazards: None.

6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up:

Note: See section 8 for Personal Protective Equipment for Spills.

7. HANDLING AND STORAGE

Use with adequate ventilation. Avoid eye contact.

Use reasonable care and store away from oxidizing materials

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS

There are no components with workplace exposure limits

ENGINEERING CONTROLS

Local Ventilation: None should be needed.

General Ventilation: Recommended.

PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING

Eyes:	Use proper protection - safety glasses as a minimum.
Skin:	Washing at mealtime and end of shift is adequate.
Suitable Gloves:	Handle in accordance with good industrial hygiene and safety practices.
Inhalation:	No respiratory protection should be needed.
Suitable Respirator:	None should be needed

PERSONAL PROTECTIVE EQUIPMENT FOR SPILLS

Eyes:	Use proper protection - safety glasses as a minimum.
Skin:	Washing at mealtime and end of shift is adequate.
Inhalation/ Suitable Respirator:	No respiratory protection should be needed
Precautionary Measures:	Avoid eye contact. Use reasonable care.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Solid / Liquid
Color:	Colorless
Odor:	Some odor
Specific Gravity @ 25°C:	1.11
Freezing/Melting Point:	Not determined.
Boiling Point:	> 100 °C
Vapor Pressure @ 25°C:	Not determined.
Vapor Density:	Not determined.
Solubility in Water:	Not determined.
pH:	Not determined.
Volatile Content:	Not determined.

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

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

10. STABILITY AND REACTIVITY

Conditions to Avoid: None

Materials to Avoid: Oxidizing material can cause a reaction

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous Polymerization will not occur

11. TOXICOLOGICAL INFORMATION

SPECIAL HAZARD INFORMATION ON COMPONENTS

No known applicable information

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION

Complete information is not yet available.

ENVIRONMENTAL EFFECTS

Complete information is not yet available.

FATE AND EFFECTS IN WASTE WATER TREATMENT PLANTS

Complete information is not yet available.

Ecotoxicity Classification Criteria			
	High	Medium	Low
Hazard Parameters (LC50 or EC50) Acute Aquatic Toxicity (mg/L) Acute Terrestrial Toxicity	<=1 <=100	>1 and <=100 >100 and <= 2000	>100 >2000
<p>This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993. This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.</p>			

13. DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No

State or local laws may impose additional regulatory requirements regarding disposal.

14. TRANSPORT INFORMATION

DOT ROAD SHIPMENT INFORMATION (49 CFR 172.101)

Not subject to DOT.

OCEAN SHIPMENT (IMDG)

Not subject to IMDG code.

AIR SHIPMENT (IATA)

Not subject to IATA regulations.

15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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

EPA SARA TITLE III CHEMICAL LISTINGS

Not Applicable.

Section 313 Toxic Chemicals (40 CFR 372):

None present or none present in regulated quantities

16. OTHER INFORMATION

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.