

TECHNICAL DATASHEET

The enclosed Material Safety Data Sheet presents data applicable for the raw materials used in the preparation of our M-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 M-Gel material is also unlikely to pose a health hazard to industrial workers under ordinary use condition.

Please contact Gel-Pak[®] with any questions.

SECTION 1 - PRODUCT IDENTIFICATION

M-Gel

SECTION 2 - HAZARDOUS INGREDIENTS

As defined in 29 CFR §1910.1200:

	OSHA PEL/TLV-TWA		ACGIH TLV	
	<u>PPM</u>	<u>MG/M³</u>	<u>STEL</u>	<u>TWA</u>
OIL MIST	None	5	10 mg/m ³	5 mg/m ³

SECTION 3 - PHYSICAL PROPERTIES

PRODUCT CLASS: ADHESIVE
APPEARANCE: AMBER
Melting Point: 186F / 86C

SECTION 4 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation and eye & skin contact when molten.

HEALTH HAZARDS: May be irritating to the nose and respiratory tract.

SIGNS AND EFFECTS OF OVEREXPOSURE: Headache, dizziness, nausea.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory disorders.

SECTION 5 - FIRST AID

EYE CONTACT:

Immediately flush with water. Do not attempt to remove the molten adhesive.

SKIN CONTACT:

Immediately immerse or flush skin with large amounts of cold water to dissipate heat of molten material. Do not attempt to remove molten material from the skin or to remove contaminated clothing as the damaged flesh can be easily torn. Obtain medical attention promptly.

INHALATION:

Remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION:

Not usually a route of entry. Contact medical personnel if ingestion occurs. Follow instructions of medical personnel.

SECTION 6 - FIRE AND EXPLOSION DATA

FLAMMABILITY CLASSIFICATION: No data **DOT CLASSIFICATION:** None known

FLASH POINT: No data **UEL:** No Data **LEL:** No data

EXTINGUISHING MEDIA:

Use foam, dry chemical or carbon dioxide. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Decomposition can produce hazardous chemicals. Carbon Monoxide, carbon dioxide and other unknown products may be produced during combustion.

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should wear NIOSH/MSHA approved positive pressure self-contained respiratory equipment. Do not use water on molten material to avoid splattering and spreading of fire.

SECTION 7 - REACTIVITY HAZARD DATA

STABILITY: Stable. **HAZARDOUS POLYMERIZATION:** Will not occur.

CONDITIONS/MATERIALS TO AVOID:

Do not add water or other volatile material to molten adhesive.

HAZARDOUS DECOMPOSITION PRODUCTS:

If product is burned carbon monoxide, carbon dioxide and other unknown products may be produced. Incomplete combustion can yield low molecular weight hydrocarbons.

SECTION 8 - SPILL LEAK AND WASTE DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

For molten material, allow to solidify at room temperature, scrape up and place in disposal container.

WASTE DISPOSAL METHOD:

Consult 40 CFR 261 for RCRA hazardous waste definitions. Do not dump into sewers, on the ground or into any body of water. Consult local sewer authority before discharging into the sewer.

All federal, state and local regulations regarding health and pollution should be followed when disposing of contaminated water or recovered material.

SECTION 9 PERSONAL PROTECTION EXPOSURE CONTROLS

EYE PROTECTION: Safety glasses. Safety goggles when splash potential exists; when working with molten adhesive.

PROTECTIVE GLOVES: When working with molten material, gloves are highly recommended.

RESPIRATORY PROTECTION:
Respiratory protection is not usually required under normal conditions of use.

VENTILATION:
Adequate ventilation should always be provided. No special precautions are necessary if air is maintained in work areas below the limits established for chemicals listed in SECTION 2.

HYGIENIC PRACTICES:
Wash thoroughly after handling, especially before eating, drinking, smoking or using the restroom facilities.

SECTION 10 - STORAGE AND HANDLING

STORAGE: Store in a cool, dry place.

HANDLING: Avoid breathing vapors/fumes of the molten material, use only with adequate ventilation. Avoid contact with molten product.

SECTION 11 - REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT):
All components of this product are included in the EPA Toxic Substance Control Act Chemical Substance Inventory.

SARA TITLE III INFORMATION:
SECTION 313 - TOXIC CHEMICALS:
Pursuant to SECTION 313 of SARA TITLE III, this product contains the following chemical(s) that may be reportable: None Known
SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES (EHS): None known.

CLEAN AIR - OZONE DEPLETING CHEMICALS
According to 40 CFR Part 82, Protection of Stratospheric Ozone; Labeling, this product(s), to the best of our belief, is neither "manufactured with" nor "contains" any substances as designated as a Class I or Class II Ozone Depleting Chemical.

HMIS RATINGS: HEALTH.....1 **DOT SHIPPING NAME:** NOT REGULATED
 FLAMMABILITY.....1
 REACTIVITY.....0

SECTION 12 - USER RESPONSIBILITY

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 its intended use and determine whether they are appropriate.