

# Material Safety Data Sheet

**TRADE NAME: PECOGEL GC-1110**

Date of Preparation/Revision: 04/01/2010

## Section 1 - Chemical Product and Company Identification

**Product Name:** PECOGEL GC-1110  
**Chemical Name:** PVP/Dimethylaminoethylmethacrylate/Polycarbamyl Polyglycol Ester  
**CAS Number:** 30581-59-0, 125687-22-1, 7732-18-5  
**Manufacturer:** PHOENIX CHEMICAL, INC.  
 60 Fourth Street, Somerville, New Jersey 08876  
 Phone (908) 707-0232, Fax (908) 707-0186

CHEMTREC 24-HR EMERGENCY RESPONSE  
 NUMBER: 1-800-424-9300  
 INTERNATIONAL CALLS: COLLECT  
 1-703-527-3887  
 CHEMTREC should only be called in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

## Section 2 - Composition / Information on Ingredients

This product does not contain any active material considered hazardous as defined in 29 CFR 1910.120

Ingredient Name	CAS Number	% wt/vol
PVP/Dimethylaminoethylmethacrylate	30581-59-0	} 10 %
Polycarbamyl Polyglycol Ester	125687-22-1	
Water	7732-18-5	90 %

**Trace Impurities:**

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
N-Methyl Pyrrolidone 872-50-4	100 ppm	None Estab.	Not Estab.	Not Estab.	Not Estab.	Not Estab.	Not Estab.
Triethylamine 121-44-8	10 ppm	None Estab.	10 ppm	Not Estab.	Not Estab.	Not Estab.	Not Estab.
2-Butanone 78-93-3	200 ppm	Not Estab.	200 ppm	Not Estab.	Not Estab.	Not Estab.	Not Estab.

## Section 3 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

#### Potential Health Effects

There are no potential health effects expected from handling this material. Good manufacturing practices are always recommended when handling any chemical.

There are no significant laboratory data to suggest any hazard to humans.

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

**This material is not registered with TSCA.**

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

Exposure to small quantities is not expected to cause adverse health effects. Good manufacturing practices are always recommended when handling any chemical.

There are no significant laboratory data to suggest any specific hazard to humans.

**Inhalation:** Short-term harmful health effects are not expected from vapor-generated at ambient temperatures.

**Eye Contact:** May cause some moderate eye irritation.

**Skin Contact:** May cause some irritation or discomfort.

**Ingestion:** May cause abdominal discomfort, nausea, vomiting and diarrhea.

**Carcinogenicity:** IARC, NTP, and OSHA do not list this product as a carcinogen.

This product contains N-Methyl Pyrrolidone, a chemical known to the State of California to cause reproductive toxicity.

**HMIS**

<b>H</b>	1
<b>F</b>	0
<b>R</b>	0
<b>PPE</b>	B

## Section 4 - First Aid Measures

**Inhalation:** Short-term harmful health effects are not expected from vapor-generated at ambient temperatures. If first aid is required, move victim to fresh air.

**Eye Contact:** May cause some moderate eye irritation. Flush immediately with water for 15 to 20 minutes. Obtain medical attention if severe irritation occurs.

**Skin Contact:** May cause some irritation or discomfort. Remove contaminated clothing. Wash affected area with soap & water.

**Ingestion:** May cause abdominal discomfort, nausea, vomiting and diarrhea. Give two glasses of water. Do not induce vomiting. Obtain medical attention. *After first aid, get appropriate in-plant, paramedic, or community medical support.*

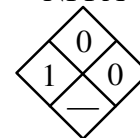
## PECOGEL GC-1110

### Section 5 - Fire-Fighting Measures

**Flash Point:** None (water solution)

**Flash Point Method:** N/A

NFPA



**Extinguishing Media:** Use water spray, carbon dioxide, alcohol type or universal type foam applied in accordance with the manufacturer's instructions.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

### Section 6 - Accidental Release Measures

**Safeguards (Personnel):** Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.

**Spill /Leak Procedures:** Collect for disposal in accordance with applicable Federal, State, or local regulations.

**Containment:** For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** (Personnel) Safety glasses and PVC gloves.

**Storage Requirements:** Keep container tightly closed.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** No special engineering controls are required under normal use.

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec.2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear a SCBA.

*Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are **not** eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance and Odor:** Viscous, off-white, mild odor

**Vapor Pressure, mm Hg:** N/D

**Vapor Density (Air=1):** N/A

**Density:** N/A

**Specific Gravity (H<sub>2</sub>O=1, @ 25°C):** 1.016

**pH:** 8 – 9

**Water Solubility:** Dispersible

**Boiling Point:** ~100°C

**Freezing/Melting Point:** N/A

**Viscosity:** 30,000-70,000cps

**Refractive Index:** N/A

**% Volatile:** 90 (water)

**Evaporation Rate:** N/A

### Section 10 - Stability and Reactivity

**Stability:** Product is **STABLE** at room temperature in closed containers under normal storage and handling conditions.

**Chemical Incompatibilities:** Strong acids, alkalis and oxidizers.

**Hazardous Thermal Decomposition Products:** Oxides of Carbon, Nitrogen.

**Hazardous Polymerization:** Will not occur.

## PECOGEL GC-1110

### Section 11- Toxicological Information

A knowledge of the available toxicology information and of the chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

### Section 12 - Ecological Information

N/A

### Section 13 - Disposal Considerations

**Disposal:** Contact a licensed contractor for detailed recommendations. Follow applicable Federal, State, and local regulations.

### Section 14 - Transport Information

#### DOT Transportation Data (49 CFR 172.101):

**DOT Proper Shipping Name:** Not Regulated

**DOT I.D. #:** N/A

**DOT Classification:** N/A

**UN Hazard Class:** N/A

### Section 15 - Regulatory Information

**TSCA Inventory Status:** Not listed.

**EPA Regulations:** SARA 311/312 Codes:

Acute: None

Chronic: None

Fire: None

Reactivity: None

Pressure: None

#### State Regulations:

State	Component	CAS #	Wt.
None			

### Section 16 - Other Information

**Prepared by:** PHOENIX CHEMICAL, INC., 60 Fourth Street, Somerville, NJ 08876, Phone: 908-707-0232

**Disclaimer:** While the information herein is believed to be reliable, PHOENIX CHEMICAL, INC. does not guarantee its accuracy. Purchasers are urged to conduct their own tests. PHOENIX CHEMICAL, INC. warrants its materials, as described herein, shall conform to the written specifications for such materials. PHOENIX CHEMICAL, INC. makes no other warranty, either express or implied, as to the materials' merchantability or fitness for purpose. In no event shall PHOENIX CHEMICAL, INC.'s liability for breach of this warranty exceed the purchase price of the material for which such breach is claimed. Nothing contained herein is intended as a recommendation to use PHOENIX CHEMICAL, INC. products so as to infringe any patent and no liability for customer's violation of patent or other rights is assumed.