

SECTION 1 IDENTIFICATION**PRODUCT NAME:** polycool MIX -25**MANUFACTURER:**Phoenix Products Company
55 Container Drive
Terryville, CT. 06786 USA**DISTRIBUTOR:**PolyScience
6600 W. Touhy Avenue
Niles, IL. 60714**BUSINESS PHONE NUMBER:**

860-589-7502

BUSINESS PHONE NUMBER: 847-647-0611**EMERGENCY PHONE NUMBER:**

U.S. PERS: 800-633-8253

INTERNATIONAL PERS: 801-629-0667

SDS DATE OF PREPARATION/REVISION:

3/13/2015

SECTION 2 HAZARD(s) IDENTIFICATION**Classification of the Substance or Mixture:** The product is not classified according to the Globally Harmonized System (GHS).**GHS label Elements:** Not Applicable**Hazard Pictograms:** Not Applicable**Signal Word:** Not Applicable**Hazard Statements:** Not Applicable**Precautionary Statements:**

- If In Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If Swallowed:** Call a poison center/doctor if you feel unwell.
- If On Skin:** Wash with plenty of water.
- Dispose of contents/container in accordance with local/regional/national/international regulations. .

Classification system:

NFPA ratings (scale 0 - 4): Health: 2

Fire: 0

Reactivity: 0

HMIS-ratings (scale 0 - 4): Health: 2

Fire: 0

Reactivity: 0

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS No.	AMOUNT, WT%
Ethylene Glycol	107-21-1	<50
Poly[oxyethylene(dimethylimino)ethylene(dimethyliminio)ethylene dichloride]	31512-74-	<0.3
Water	7732-18-5	>50

(See Section 8 for Exposure Limits)

SECTION 4 FIRST-AID MEASURES

General Information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Inhalation: Supply fresh air; consult doctor in case of complaints.

Skin Contact: Generally the product does not irritate the skin.

Eye Contact: Rinse opened eye for several minutes under running water.

Ingestion: Immediately call a doctor.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Suitable Extinguishing Agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

ADVICE FOR FIREFIGHTERS

Protective equipment: No special measures required.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Not required.

Environmental Precautions: Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7 HANDLING and STORAGE

PRECAUTIONS FOR SAFE HANDLING: Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

STORAGE:	Requirements to be met by storerooms and receptacles:	No special requirements.
	Information about storage in one common storage facility:	Not required.
	Further information about storage conditions:	None.
	Specific end use(s):	No further relevant information available.

SECTION 8	EXPOSURE CONTROL/PERSONAL PROTECTION
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Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

Ethylene Glycol – CAS Number: 107-21-1

TLV	Long-term value: NIC-10* mg/m ³ Ceiling limit value: (100) mg/m ³ (H);*as inhalable fraction and vapor
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EXPOSURE CONTROLS

Personal Protective Equipment:

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Breathing Equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of Hands: The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of Gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection: Goggles recommended during refilling.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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APPEARANCE: Clear Liquid

ODOR: Odorless

ODOUR THRESHOLD: Not determined.

pH-VALUE: 6.5-8.5

MELTING POINT/MELTING RANGE: -34°F (-36°C)

BOILING POINT/BOILING RANGE: 100 °C (212 °F)

FLASH POINT: Not applicable.

FLAMMABILITY (SOLID, GASEOUS): Not applicable.

IGNITION TEMPERATURE: 410 °C (770 °F)

DECOMPOSITION TEMPERATURE: Not determined.

AUTO IGNITING: Product is not self igniting.

DANGER OF EXPLOSION: Product does not present an explosion hazard.

EXPLOSION LIMITS:
Lower: 3.2 Vol %
Upper: 53.0 Vol %

VISCOSITY:
Dynamic: Not determined.
Kinematic: Not determined.

SOLVENT CONTENT:
Organic Solvents: 0.0%
Water: 47.4%

VAPOR PRESSURE AT 20 °C (68 °F): 23 hPa (17 mm Hg)

DENSITY AT 20 °C (68 °F): 1.055 g/cm³ (8.804 lbs/gal)

RELATIVE DENSITY: Not determined.

VAPOUR DENSITY: Not determined.

EVAPORATION RATE: Not determined.

SOLUBILITY IN/MISCIBILITY WITH: Water: Fully miscible.

PARTITION COEFFICIENT (N-OCTANOL/WATER): Not determined

SPECIFIC GRAVITY: 1.07

SECTION 10 STABILITY AND REACTIVITY**CHEMICAL STABILITY:** Stable**THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED:** No decomposition if used according to specifications.**POSSIBILITY OF HAZARDOUS REACTIONS:** No dangerous reactions known.**CONDITIONS TO AVOID:** No further relevant information available.**INCOMPATIBLE MATERIALS:** No further relevant information available.**HAZARDOUS DECOMPOSITION PRODUCTS:** No dangerous decomposition products known**SECTION 11 TOXICOLOGICAL INFORMATION****Acute Toxicity:****LD/LC50 values that are relevant for classification:**

Ethylene Glycol – CAS Number: 107-21-1

Oral	LD50	5840 mg/kg (rat)
Dermal	LD50	9530 mg/kg (rabbit)

PRIMARY IRRITANT EFFECT:**Skin:** No irritant effect.**Eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Carcinogenic Categories****IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

SECTION 12 ECOLOGICAL INFORMATION**TOXICITY****Aquatic Toxicity:** No further relevant information available.**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**ADDITIONAL ECOLOGICAL INFORMATION:**

- Water hazard class 1 (Self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment: PBT: Not applicable.
vPvB: Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS**WASTE TREATMENT METHODS**

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

UNCLEANED PACKAGINGS:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION 14 TRANSPORT INFORMATION

DOT: Not regulated.

ADN: Not regulated.

IMDG: Not regulated.

IATA: Not regulated.

SECTION 15 REGULATORY INFORMATION**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE****SARA****Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

107-21-1	Ethylene Glycol
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TSCA (Toxic Substances Control Act):

107-21-1	Ethylene Glycol
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Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic Categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

107-21-1	Ethylene Glycol
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NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS Label Elements: Not Applicable
Hazard Pictograms: Not Applicable
Signal Word: Not Applicable
Hazard Statements: Not Applicable

Precautionary Statements:

- If In Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to continue rinsing.
- If Swallowed: Call a poison center/doctor if you feel unwell.
- If On Skin: Wash with plenty of water.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16	OTHER INFORMATION
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END OF SAFETY DATA SHEET
Phoenix Products Company
Revision: 3/13/2015
Supersedes: 2/3/2015