

# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** PEG

**MANUFACTURER:** American Red Cross  
Diagnostic Manufacturing Division  
9319 Gaither Road  
Gaithersburg, MD 20877

**TELEPHONE:** (800) 882-3737  
**FAX:** (301) 977-5816  
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**REVISION DATE:** 10/01/2018

**PRODUCT USE:** Immunohematology Testing

## SECTION 2: HAZARDS IDENTIFICATION



### WARNING

**HAZARD STATEMENTS** Causes eye irritation. May be harmful if absorbed through skin. Causes skin irritation. Harmful if swallowed.

**OSHA REGULATORY STATUS** This product is not considered hazardous under 29 CFR 1910.1200.

### POTENTIAL HEALTH EFFECTS

**Routes of Exposure** Eye and skin contact.  
**Eyes** Causes eye irritation.  
**Skin** Causes skin irritation.  
**Inhalation** Health injuries are not known or expected under normal use.  
**Ingestion** Harmful if swallowed.  
**Target Organs** Eyes. Skin.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	CONCENTRATION
Polyethylene glycol	25322-68-3	20 % (200 g/L)
Glycine	56-40-6	1.8 % (18.0 g/L)
Sodium Azide	26628-22-8	0.1 % (1.0 g/L)

## SECTION 4: FIRST AID MEASURES

**EYE CONTACT** Immediately flush eyes with plenty of water for 15 minutes. Get immediate medical attention.

**SKIN CONTACT** Wash off with soap and water. Get medical attention if symptoms occur.

**INHALATION**

If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention.

**INGESTION**

If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.

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

Product does not burn. Use methods for the surrounding fire.

**UNSUITABLE EXTINGUISHING MEDIA**

Do not use a solid water stream as it may scatter and spread fire.

**HAZARDOUS COMBUSTION PRODUCTS**

None

**PROTECTIVE EQUIPMENT AND SPECIAL PRECAUTIONS FOR FIRE-FIGHTERS**

Wear self-contained breathing apparatus for fire-fighting if necessary.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Observe precautions from other sections. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate personnel protection.

**ENVIRONMENTAL PRECAUTIONS**

Prevent entry into waterways and sewers.

**METHODS FOR CONTAINMENT**

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

**METHODS FOR CLEANING UP**

Soak up with inert absorbent material. Clean contaminated surface thoroughly. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up absorbent material and shovel into suitable containers for disposal.

**SECTION 7: HANDLING AND STORAGE****HANDLING**

Avoid contact with eyes. Avoid prolonged or repeated skin contact. Wash thoroughly after using.

**STORAGE**

Store in a closed container away from incompatible materials.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

HAZARDOUS COMPONENTS	ACGIH		OSHA		NIOSH
	REL as HN3	REL as NaN3	PEL ppm	PEL mg/m <sup>3</sup>	TWA
Sodium Azide	C 0.1 ppm	C 0.3 mg/m <sup>3</sup>	None	None	N/A
Polyethylene Glycol	N/A	N/A	N/A	N/A	10.0 mg/m <sup>3</sup>

<b>Eye/Face Protection</b>	Wear safety glasses.
<b>Skin Protection</b>	Wear suitable protective clothing and PPE.
<b>Respiratory Protection</b>	No personal respiratory protective equipment normally required. An air purifying respirator with an organic vapor cartridge may be used under certain circumstances where airborne concentrations are expected to exceed exposure limits, or if irritation or symptoms are experienced. Respiratory protection must be provided in accordance with 29 CFR 1910.134.
<b>General Hygiene Considerations</b>	When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Launder contaminated clothing before reuse. Keep away from food and drink.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Color</b>	Clear
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	Not Available
<b>Form</b>	Liquid
<b>pH</b>	Not Available
<b>Melting Point</b>	Not Available
<b>Freezing Point</b>	Not Available
<b>Boiling Point</b>	Not Available
<b>Flash Point</b>	None
<b>Evaporation Rate</b>	Not Available
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not Applicable
<b>Flammability Limits in Air, Lower, % by Volume</b>	Not Applicable
<b>Vapor Pressure</b>	Not Available
<b>Vapor Density (air=1)</b>	Not Available
<b>Density</b>	Not Available
<b>Solubility (water)</b>	Not Available
<b>Partition Coefficient (n-octanol/water)</b>	Not Available
<b>Auto-Ignition Temperature</b>	Not Applicable
<b>Decomposition Temperature</b>	Not Available

## SECTION 10: CHEMICAL STABILITY AND REACTIVITY INFORMATION

<b>CHEMICAL STABILITY</b>	Stable.
<b>CONDITIONS TO AVOID</b>	Heat.
<b>INCOMPATIBLE MATERIALS</b>	Strong acids, alkalis, oxidizing and reducing agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Oxides of carbon and nitrogen.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>ACUTE EFFECTS</b>	Refer to Hazards Identification Section.
<b>CARCINOGENICITY</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC and NTP.

## SECTION 12: ECOLOGICAL INFORMATION

<b>ECOTOXICITY</b>	This material is not expected to be harmful to aquatic life.
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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**DISPOSAL INSTRUCTIONS**

Dispose in accordance with all applicable regulations. Do not reuse containers.

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**SECTION 14: TRANSPORT INFORMATION**

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**DEPARTMENT OF TRANSPORTATION (DOT) REQUIREMENTS**

Not regulated as dangerous goods.

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**SECTION 15: REGULATORY INFORMATION**

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**CERCLA REPORTABLE QUANTITY**

None

**SARA 311/312 HAZARDS**

None

**SARA 302 COMPONENTS**

None

**SARA 313 COMPONENTS**

None

**TOXIC SUBSTANCES CONTROL ACT (TSCA)**

All components of this product comply with all applicable rules and orders under TSCA.

**CALIFORNIA PROP 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects or other reproductive harm.

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**SECTION 16: OTHER INFORMATION**

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**HMIS CLASSIFICATION:**

Health:	1
Flammability:	1
Physical Hazard:	0

**NFPA RATING:**

Health:	1
Flammability:	1
Instability:	0

**PREPARED BY:** Environmental, Health and Safety