



## PEG 8000

### SECTION I. IDENTIFICATION

I.1 Material Code: PEG8000 I.2 Language: English I.3 Version: 6  
 I.4 Issuing date: 21/07/2009 I.5 Update: 16/04/2020  
 I.6 Issuing company name: *The Chemical Supply  
 9595 Six Pines Dr.  
 The Woodlands, TX 77380*

I.7 In case of emergency contact: *CHEMTREC (24HR Emergency telephone), call: 1-800-424-9300;  
 National response in Canada CANUTEC: 613-996-6666; Outside  
 U.S. and Canada CHEMTREC: 703-527-3887*

I.8 Commercial name: *PEG 8000*  
 I.9 Synonyms: *Polyoxyethylene glycol 8000, PEG 8000*  
 I.10 Applications: *Industrial chemical intermediary*

### SECTION II. HAZARD(S) IDENTIFICATION

II.1 Risk Classification: *Not a hazardous substance or mixture.*

II.2 Label elements GHS:  
 Word of Warning: *Not a hazardous substance or mixture.*  
 Pictogram:

*This product does not require any hazard warning label according to the GHS criteria.*

II.3 Precautionary statement (s): *Keep container tightly closed.  
 Keep away from heat/sparks/open flame. - No smoking.  
 Wear protective gloves and eye/face protection.  
 Store in cool/well-ventilated place.  
 Avoid release to the environment.*

II.4 Dangerous not otherwise classified: *None (a)*



### SECTION III. COMPOSITION / INFORMATION ON INGREDIENTS

III.1 Chemical Name: *Polyethylene glycol 8000*

III.2 No. CAS: *25322-68-3*

III.3 Composition

Chemical substances	%	No. CAS	No. ONU
<i>Polyethylene glycol</i>	<i>100</i>	<i>25322-68-3</i>	<i>NR</i>

### SECTION IV. FIRST-AID MEASURES

IV.1 Emergency in case of:

Ingestion: *Can cause abdominal pain, dizziness and vomit.*

Inhalation: *Move the to a ventilated area.  
If the person is not breathing, give artificial respiration. If breathing is difficult, apply oxygen.  
Get immediate medical attention.*

Contact: *Prolonged exposure can cause skin irritation.*

IV.2 First aid in case of:

Ingestion: *Give 2 glasses of water and induce vomit .  
Never give anything through the mouth to an unconscious person.  
Get medical attention.*

Inhalation: *Move the person to a ventilated area.  
If the person if not breathing, give artificial respiration. If breathing is difficult, apply oxygen.*



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*Wash with water for ten minutes to remove the remaining material.*

Contact:

#### **SECTION V. FIRE-FIGHTING MEASURES**

##### V.1 Means of extinction:

Water:	x	Chemical powder:	x
Foam:	x	Other media:	-
CO2:	x		

##### V.2 Specific personal protection equipment to be used for firefighting:

*Use autonomous equipment (SCBA) and complete firefighter equipment.*

##### V.3 Special procedure and precautions during firefighting:

*Keep away from ignition sources.  
Avoid material inhalation or products of its combustion.  
Use water spray, fog or foam.*

##### V.4 Risk conditions for an unusual fire

*In case of fire, formation of toxic combustion gases is possible.*

##### V.5 Hazardous combustion products

*In case of fire, CO and CO2 are released.*

#### **SECTION VI. ACCIDENTAL RELEASE MEASURES**

##### VI.1 Immediate Procedure and Precautions

*Contain leakage using appropriate protective equipment. Collect with absorbent material, place material in a suitable container for disposal.*

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**VI.2 Mitigation Method**

*Use inert material to contain the leak or spill.*

**SECTION VII. HANDLING AND STORAGE**

**VII.1 During handling:**

*Avoid contact with eyes and skin.*

*Smoking should be prohibited in storage areas and during its use.*

**VII.2 During storage:**

*Store in a dry, well-ventilated area away from flame, heat, or other ignition sources.*

**SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**VIII.1 Specific personal protection equipment - Hand Protection**

*Butyl, Neoprene or PVC gloves.*

**VIII.2 Specific personal protection equipment - Eyes Protection**

*Safety glasses.*

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### VIII.3 Specific personal protection equipment - Other Protection

*Protective clothing to minimize skin contact and chemical resistant shoes should be used.*

### SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

IX.1 Boiling Point, ° C	>200	IX.9 Relative density @ 15 ° C	min. 1.1
IX.2 Melting Point, ° C	55 - 62	IX.10 pH	5 - 7
IX.3 Flash Point, ° C	>250	IX.11 Molecular weight, g/gmo	7000 - 9000
IX.4 Auto ignition temperature, ° C	>360	IX.12 Physical state, 25°C	Solid
IX.5 Evaporation speed	ND	IX.13 Color	White
IX.6 Solubility in water	Soluble	IX.14 Odor	Characteristic
IX.7 Vapour pressure @ 25 ° C	<0.1	IX.15 Ignition limits	ND
IX.8 Volatility percentage (21 ° C)	ND	IX.16 Other data	Hygroscopic

### SECTION X. STABILITY AND REACTIVITY

#### X.1 Stability

*Stable.*

#### X.2 Incompatibility

*Oxidants.*

#### X.3 Hazardous decomposition products

*When heated to decomposition, carbon monoxide and carbon dioxide are produced.*

#### X.4 Spontaneous polymerization

*Will not occur.*

#### X.5 Other conditions to ensure during the use of the chemical to prevent it from suddenly reacting

*Heavy oxidants.*

### SECTION XI. TOXICOLOGICAL INFORMATION

#### XI.1 Acute toxicity

*LD50 Oral - Rat - 30,000 mg/kg*

*Inhalation: No data available*

*LD50 Dermal - Rabbit - > 20,000 mg/kg*

#### XI.2 Skin corrosion / irritation

*Skin - Rabbit*

*Result: No skin irritation - 4 h*



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**XI.3 Eye irritation**

*Eyes - Rabbit*

*Result: Mild eye irritation*

**XI.4 Sensitization**

*Non-sensitizing*

**XI.5 Germ cell mutagenicity / carcinogenicity**

*No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA*

**SECTION XII. ECOLOGICAL INFORMATION**

**XII.1 Biodegradation:** *80 % (28 d)  
readily degradable  
Method: OECD 301 E*

**XII.2 Fish toxicity:** *LC50 > 10 g/l (48 h, golden orfe)  
Method: DIN 38412 T.15*



### SECTION XIII. DISPOSAL CONSIDERATIONS

#### XIII.1 Waste disposal information

*Recommended disposal is by incineration or landfill approved.*

*All waste must be handled in accordance with local, state and federal regulations. Legislation addressing waste disposal requirements may differ by country, state and/ or territory.*

### SECTION XIV. TRANSPORT INFORMATION

#### XIV.1 DOT

*Not restricted*

#### XIV.2 IMDG

*Not restricted*

#### XIV.3 IATA

*Not restricted*

#### XIV.4 No. UN NR

### SECTION XV. REGULATORY INFORMATION

*TSCA: All the components of this product are cataloged in the Inventory.*

*SARA (section 311/312):*

*REACTION HAZARD: No  
Pressure Hazard: No  
Fire hazard: No  
Immediate / acute: No  
Delayed / chronic: No*

*SARA 313: This product does not contain any toxic chemicals listed in Section 313 of the 1986 Emergency Planning and Right to Know Act.*

*Clean Water Law: Contains no known priority pollutants at concentrations greater than 0.1%.*

*Volatile VOC organic compounds: Remark: Not available*

*NFPA:*



## SECTION XVI. OTHER INFORMATION

### XVI.1 Bibliography:

PERRY, Chemical Engineer's Handbook, Sixth Edition, Edit. Mc. Graw Hill.

NOM-018-STPS-2015, System for the identification and communication of hazards and risks from hazardous chemicals in the workplace.

GRE 2016 (Emergency response guide).

CARRIAGE OF DANGEROUS GOODS, INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG) CODE, ANNEXES AND SUPPLEMENTS, Revised Emergency Response Procedures for Ships Carrying , Dangerous Goods (EmS Guide) . Ref. T3/1.01.

NFPA 704, Standard for identifying the risks of material for emergency response system.

FEDEX Dangerous Goods Help Guide 2014.

Dangerous Goods Regulations of the IATA, 52a Edición.

<http://www.sigmaaldrich.com/safety-center.htm>

<http://www.avantormaterials.com/search.aspx?searchtype=msds>

[http://www.merckmillipore.com/MX/es/documents/Z.qb.qB.tecAAAFDDJUusznLq.nav?CategoryName=010814123202&CategoryDomainName=Merck-content\\_catalog](http://www.merckmillipore.com/MX/es/documents/Z.qb.qB.tecAAAFDDJUusznLq.nav?CategoryName=010814123202&CategoryDomainName=Merck-content_catalog)

IMDG Code - International Maritime Dangerous Goods.

SGA - GSA (Globally Harmonized System).

Regulation for land transport of hazardous materials and wastes.

NMX-R-019-SCFI-2011 Harmonized classification and hazard communication of chemicals.

XVI.2 Issuing date: 21/07/2009

XVI.3 Update: 16/04/2020

### XVI.4 Control changes:

Version 7 - Modification of the format and the information contained, according to the guidelines of the NOM-018-STPS 2015

NA: Not Applicable      ND: Not Determined      NR: Not Registered or Not Regulated