

PEG 8000

Page 1

Substance key: SXR024826

Revision Date: 10/25/2013

Version : 2 - 9 / USA

Date of printing :02/28/2014

**Section 01 - Product and company identification**

<b>Identification of the company:</b>	Clariant Corporation 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704 331 7000
	<b>Information of the substance/preparation:</b> Product Safety 1-704-331-7710
	<b>Emergency tel. number:</b> +1 800-424-9300 CHEMTREC

<b>Trade name:</b>	<b>PEG 8000</b>
<b>Material number:</b>	107929
<b>CAS number:</b>	25322-68-3
<b>Synonyms:</b>	Product Has No Synonyms
<b>Primary product use:</b>	Techno-chemical industry. Pharma
<b>Chemical family:</b>	polyethylene glycol, HO-(CH <sub>2</sub> -CH <sub>2</sub> -O) <sub>n</sub> -H,

**Section 02 - Hazards identification**

<b>Emergency overview:</b>	White flakes. May cause dust explosions. May cause irritation.		
<b>Expected Route of entry:</b>			
<b>Inhalation:</b>	Particulates of this material are probably irritating to respiratory passages, nose, and throat.		
<b>Skin contact:</b>	May cause skin irritation.		
<b>Eye contact:</b>	May cause eye irritation.		
<b>Ingestion:</b>	Not expected to be toxic.		
<b>Skin absorption:</b>	no		
<b>Health effects of exposure:</b>	Particulates Not Otherwise Regulated (PNOR) Although this substance did not cause irritation in standard skin and eye irritation studies, particulates of this material may cause mechanical irritation to the skin, eye or respiratory tract.		
<b>Known effects on other illnesses:</b>	No known effects on other illnesses for this product.		
<b>Listed carcinogen:</b>	IARC: No NTP: No OSHA: No Other: No		
<b>HMIS:</b>			
Health: 1	Flammability: 1	Reactivity: 0	Personal protection: I

**Section 03 - Composition/information on ingredients**

## PEG 8000

Page 2

Substance key: SXR024826

Revision Date: 10/25/2013

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**Hazardous ingredients:**

Component	CAS-no. (Trade secret no.)	Concentration
Polyethylene glycol	25322-68-3	<= 100 %

**Section 04 - First aid measures****After inhalation:**

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious.

**After contact with skin:**

Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

**After contact with eyes:**

Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs.

**After ingestion:**

If ingested, seek medical assistance immediately.

**Advice to doctor / Treatment:**

None known.

**Section 05 - Fire fighting measures****Flashpoint:**

518 °F

Method: DIN 51376 (open cup)

**Lower explosion limit:**

Not applicable

**Upper explosion limit:**

Not applicable

**Self ignition:**

not self-igniting

**Ignition temperature:**

&gt; 608 °F

Method: DIN 51794

**Hazardous combustion products:**

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

**Extinguishing media:**

water spray jet  
dry powder

**Special fire fighting procedure:**

Wear positive pressure self-contained breathing apparatus (SCBA) and full protective equipment.

**Unusual fire and explosion hazards:**

Emits toxic fumes under fire conditions. This product presents no unusual fire or explosion hazards while sealed in a shipping container. During usage, if a dust cloud is generated, organic powders have the potential to be explosive with static spark or flame initiation.

PEG 8000

Page 3

Substance key: SXR024826

Revision Date: 10/25/2013

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Date of printing :02/28/2014

**Section 06 - Accidental release measures****Steps to be taken in case of spill or leak:**

Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent, and place in a suitable container.

**Section 07 - Handling and storage****Advice on safe handling:**

Store in a cool dry location. Do not breathe dust. Do not get in eyes or on skin. Wear proper protective equipment. Keep container tightly closed.

Avoid dust formation. Keep away from sources of ignition. Lead off electrostatic charges.

**Further info on storage conditions:**

Store in original container.

Keep containers closed.

Do not keep at temperatures above 30 °C.

Recommended storage temperature: 10 - 25 °C.

**Section 08 - Exposure controls / personal protection**

**Respiratory protection:** If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134

**Hand protection:** Butyl Rubber, PVC Or Neoprene.

**Eye protection:** Safety glasses with side shields.

**Other protective equipment:** Protective clothing to minimize skin contact should be worn. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas where this material is handled.

**Advice on system design:** Where a closed system is not used, good enclosure and local exhaust ventilation should be provided.

**IDLH:**

None For This Product

**Section 09 - Physical and chemical properties**

**Form:** Flakes

**Color:** white

**Odor:** odourless

**Odor limit:** not tested.

**pH:** 5 - 7 (20 °C, 100 g/l)  
Method: DIN 19268

**Solubility in water:** approx. 500 g/l (20 °C)

## PEG 8000

Page 4

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Substance key: SXR024826  
Version : 2 - 9 / USA

---

---

Revision Date: 10/25/2013  
Date of printing :02/28/2014

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<b>Soluble in ... :</b>	fat not tested.
<b>Density:</b>	approx. 1.2 g/cm <sup>3</sup> (20 °C) Method: DIN 51757
<b>Freezing point :</b>	131 - 140 °F Method: European Pharmacopoeia / 2.2.18
<b>Boiling temperature :</b>	not determined
<b>Vapor pressure:</b>	< 0.01 Torr (20 °C)
<b>Bulk density:</b>	400 - 500 kg/m <sup>3</sup>
<b>Relative vapor density:</b>	Not applicable
<b>Partitioning coef. octanol/water:</b>	< -1
<b>Viscosity / (dynamic):</b>	300 - 450 mPa.s (20 °C) Method: DIN 53019 50 % aqueous solution
<b>Viscosity / (kinematic):</b>	275 - 415 mm <sup>2</sup> /s ( 20 °C) Method: DIN 51562 50 % aqueous solution
<b>Further information:</b>	The product is hygroscopic.

**Section 10 - Stability and reactivity**

<b>Thermal decomposition:</b>	360 °C Source: Analogy
<b>Chemical stability:</b>	Under normal conditions the product is stable.
<b>Hazardous Polymerization:</b>	Will not occur. Conditions to avoid: None known.
<b>Conditions to avoid:</b>	None known.

**Section 11 - Toxicological information**

<b>Product information:</b>	
<b>Acute oral toxicity:</b>	LD50 > 15,000 mg/kg (rat)
<b>Acute inhalation toxicity:</b>	not tested.
<b>Acute dermal toxicity:</b>	not tested.
<b>Skin irritation:</b>	Non-irritating (rabbit)
<b>Eye irritation:</b>	Non-irritating (rabbit)

**Section 12 - Ecological information**

**Product information:**

## PEG 8000

Page 5

Substance key: SXR024826

Revision Date: 10/25/2013

Version : 2 - 9 / USA

Date of printing :02/28/2014

<b>Biodegradation:</b>	> 95 % (23 d) Method: DIN 38412 T.24
<b>Fish toxicity:</b>	LC50 > 10 g/l (48 h, golden orfe) Method: DIN 38412 T.15 Source: Analogy
<b>Daphnia toxicity:</b>	not tested.
<b>Algae toxicity:</b>	not tested.
<b>Bacteria toxicity:</b>	EC0 > 12.5 g/l (3 h) Method: OECD 209
<b>Chemical oxygen demand (COD):</b>	1,760 mg/g Method: DIN 38409-H41

**Remarks:**

No data available.

**Section 13 - Disposal considerations****Waste disposal information:**

Recommended disposal is by incineration in approved facilities.

**RCRA hazardous waste:**

No -- Not as sold.

RCRA number: NONE

**Section 14 - Transport information**

<b>DOT</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	not restricted

**Section 15 - Regulatory information****TSCA Status:**

All components of this product are listed on the TSCA Inventory.

**SARA (section 311/312):**

Reactive hazard:	no
Pressure hazard:	no
Fire hazard:	no
Immediate/acute:	yes
Delayed/chronic:	no

**SARA 313 information:**

This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

**Clean Water Act:**

Contains no known priority pollutants at concentrations greater than 0.1%.

**Volatile organic compounds VOC:**

Remarks: Not Available

**PEG 8000**

Page 6

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Substance key: SXR024826

Revision Date: 10/25/2013

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Date of printing :02/28/2014

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**FDA:**

This product is not registered with the FDA.

## Section 16 - Other information

**Other precautions:**

Avoid breathing dust and avoid contact with skin and eyes. Wear proper protective equipment. Keep container closed when not in use.

**Label information:**

WARNING!

MAY CAUSE SKIN, EYE OR RESPIRATORY TRACT IRRITATION DUST  
EXPLOSION HAZARD

Avoid breathing dust. Wear NIOSH approved respiratory protection when handling this product. Avoid contact with skin, eyes and clothing. Avoid ingestion. Wear proper protective equipment. Wash thoroughly after handling. Keep container closed when not in use.

In case of EYE CONTACT, flush with water for 15 minutes while holding eyelids open. SKIN CONTACT: Wash thoroughly with soap and water. Seek medical attention if irritation occurs. For inhalation, remove to fresh air, consult a physician. Ingestion: If conscious, give the patient 1 - 2 glasses of water (8 - 16 oz.). Induce vomiting only at the instructions of a doctor or nurse.

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This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.