

# MATERIAL SAFETY DATA SHEET

## POLYGLYKOL 6000 PF

Substance key: SXR024829  
Version : 1 - 9 / USA

Revision Date: 10/22/2011  
Date of printing :01/30/2014

### Section 01 - Product and company identification

**Identification of the company:**

Clariant Corporation  
4000 Monroe Road  
Charlotte, NC, 28205  
Telephone No.: +1 704 331 7000

**Information of the substance/preparation:**

Product Safety 1-704-331-7710

**Emergency tel. number:** +1 800-424-9300 CHEMTREC

**Trade name:** POLYGLYKOL 6000 PF  
**Material number:** 107924  
**CAS number:** 25322-68-3  
**Synonyms:** Product Has No Synonyms  
**Primary product use:** Pharma  
**Chemical family:** polyethylene glycol, HO-(CH<sub>2</sub>-CH<sub>2</sub>-O)<sub>n</sub>-H, average molecular mass 6000

### Section 02 - Hazards identification

**Emergency overview:** White powder  
May cause dust explosions.  
May cause irritation.

**Expected Route of entry:**  
**Inhalation:** Particulates of this material are probably irritating to respiratory passages, nose, and throat.  
**Skin contact:** May cause mild skin irritation.  
**Eye contact:** May cause mild eye irritation  
**Ingestion:** Not expected to be toxic.  
**Skin absorption:** no

**Health effects of exposure:**  
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.

**Known effects on other illnesses:** No known effects on other illnesses for this product.

**Listed carcinogen:** IARC: No  
NTP: No  
OSHA: No  
Other: No

**HMIS:**

Health: 1                      Flammability: 1                      Reactivity: 0                      Personal protection: I

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Component	CAS-no. (Trade secret no.)	Concentration
Polyethylene glycol	25322-68-3	> 1 %

**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 tested.

**Ignition temperature:** > 608 °F  
Method: DIN 51794

**Hazardous combustion products:**

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

**Extinguishing media:** water spray jet  
dry powder  
foam  
carbon dioxide

**Special fire fighting procedure:**

Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

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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.

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

Wearing appropriate personal protective equipment, contain spill, ventilate area of spill or leak. Collect onto inert absorbent. Place in 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****Occupational exposure limits:**

Component	CAS number:	Regulatory list	Type of value	Values / Remarks
Polyethylene Glycols (MW > 200)	25322-68-3	AIHA. Workplace Environmental Exposure Levels (WEEL)	Time-weighted average (8 hrs)	10 mg/m3

**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:**

Splash-proof or dust-resistant goggles

**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.

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None For This Product

**Section 09 - Physical and chemical properties**

<b>Form:</b>	Fine powder
<b>Color:</b>	white
<b>Odor:</b>	odourless
<b>Odor limit:</b>	not tested.
<b>pH:</b>	5 - 7 (20 °C, 100 g/l) Method: DIN 19268
<b>Solubility in water:</b>	approx. 500 g/l (20 °C)
<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>	220 - 275 mPa.s (20 °C) Method: DIN 53019 50 % aqueous solution
<b>Viscosity / (kinematic):</b>	200 - 250 mm <sup>2</sup> /s ( 20 °C) Method: DIN 51562 50 % aqueous solution

**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.
<b>Conditions to avoid:</b>	Keep away from heat, sparks, and open flame.

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<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) Method: OECD 404 By analogy with a similar product.
<b>Eye irritation:</b>	Non-irritating (rabbit) Method: OECD 405 By analogy with a similar product.

**Other relevant toxicity information:**

By analogy with a product of similar composition

**Section 12 - Ecological information****Product information:**

<b>Biodegradation:</b>	< 20 % sparingly degradable Method: Zahn-Wellens test
<b>Fish toxicity:</b>	LC50 > 10 g/l (48 h, golden orfe) Method: DIN 38412 T.15
<b>Daphnia toxicity:</b>	not tested.
<b>Algae toxicity:</b>	not tested.
<b>Bacteria toxicity:</b>	EC50 > 1,000 mg/l Method: OECD 209

**Remarks:**

By analogy with a product of similar composition

**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**

DOT	not restricted
IATA	not restricted

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IMDG 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:	yes
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

**FDA:**

FDA regulated cosmetic ingredient.

### Section 16 - Other information

**Other precautions:**

Observe all necessary precautions for handling fine powders to control dust. May present dust explosion hazard. Reference exposure limit: ACGIH (TLV) for particulate matter - 10 mg/m<sup>3</sup> inhalable particulates, 3 mg/m<sup>3</sup> respirable particulates. OSHA Permissible Limit (PEL) for particulate matter: total dust: 15 mg/m<sup>3</sup>; respirable fraction: 5 mg/m<sup>3</sup>

**Label information:**

WARNING!

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

Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wear proper protective equipment. Keep container closed when not in use. Use with ventilation and/or respiratory protection to keep exposure to a minimum. Wash thoroughly after handling.

Eye contact: 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. Skin contact: wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention. Wash contaminated clothing before reuse. Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention. Ingestion: If conscious,

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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.