

MATERIAL SAFETY DATA SHEET
POLYGLYKOL 20000 SR

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Substance key: SXR097673
Version : 1 - 7 / USARevision Date: 04/29/2011
Date of printing :01/30/2014**Section 01 - Product Information****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 20000 SR

CAS number: 25322-68-3

Synonyms: Product Has No Synonyms

Primary product use: Ceramic

Chemical family: polyethylene glycol HO-(CH₂CH₂O)_n-H, average molar mass 20000

Section 02 - Composition information on hazardous ingredients**Hazardous ingredients:**

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

Section 03 - Hazards identification

Emergency overview: White flakes.
May cause dust explosions.
May cause irritation.

Expected Route of entry:

Inhalation: no
Skin contact: yes
Eye contact: yes
Ingestion: no
Skin absorption: no

Health effects of exposure:

Based on animal studies, this product was found to be a non-irritant to skin and eyes.

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

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

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Health: 1

Flammability: 1

Reactivity: 0

Personal protection: C

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:

Immediately flush skin under running water for at least fifteen minutes. Seek medical attention if irritation or chemical burn is present.

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: 500 °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 (CO₂)

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.

Unusual fire and explosion hazards: Emits toxic fumes under fire conditions.

Section 06 - Accidental release measures

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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.

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/m ³

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 or chemical splash 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.

IDLH:

None For This Product

Section 09 - Physical and chemical properties

Form:	Flakes
Color:	white
Odor:	odourless

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Odor limit:	not tested.
pH:	5 - 7 (20 °C, 100 g/l) Method: DIN 19268
Solubility in water:	approx. 500 g/l (20 °C)
Soluble in ... :	fat not tested.
Density:	approx. 1.2 g/cm ³ (20 °C) Method: DIN 51757
Freezing point :	approx. 140 °F Method: European Pharmacopoeia / 2.2.18
Boiling temperature :	not determined
Vapor pressure:	< 0.01 Torr (20 °C)
Bulk density:	400 - 500 kg/m ³
Relative vapor density:	Not applicable
Partitioning coef. octanol/water:	< -1
Viscosity / (dynamic):	2,700 - 3,500 mPa.s (20 °C) Method: DIN 53019 50 % aqueous solution
Viscosity / (kinematic):	2,500 - 3,200 mm ² /s (20 °C) Method: DIN 51562 50 % aqueous solution

Section 10 - Stability and reactivity

Thermal decomposition:	360 °C
Chemical stability:	Under normal conditions the product is stable.
Hazardous Polymerization:	Will not occur.
Conditions to avoid:	Keep away from heat, sparks, and open flame.

Section 11 - Toxicological information

Product information:	
Acute oral toxicity:	LD50 > 15,000 mg/kg (rat)
Acute inhalation toxicity:	not tested.
Acute dermal toxicity:	not tested.
Skin irritation:	Non-irritating (rabbit) Method: OECD 404 By analogy with a similar product.

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Eye irritation: 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:**

Biodegradation: < 20 %
sparingly degradable
Method: Zahn-Wellens test

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

Daphnia toxicity: not tested.

Algae toxicity: not tested.

Bacteria toxicity: 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

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

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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:

This product is not registered with the FDA.

Section 16 - Other information**Other precautions:**

Avoid dust formation. Do not inhale dust.

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.

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.