

MATERIAL SAFETY DATA SHEET

POLYGLYKOL 20000 S

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Substance key: SXR024836
Version : 2 - 7 / USARevision Date: 11/13/2007
Date of printing :06/28/2011

Section 01 - Product Information

Identification of the company:Clariant Produkte (Deutschland) GmbH
Frankfurt am Main, 65926
Telephone No.: +49 69 305 18000**Information of the substance/preparation:**

Product Safety 1-704-331-7710

Emergency tel. number: +1 800-424-9300 CHEMTREC**Trade name:****POLYGLYKOL 20000 S****CAS number:**

25322-68-3

Synonyms:

Product Has No Synonyms

Primary product use:

Techno-chemical industry.

Cosmetic

Pharma

Chemical family:polyethylene glycol, HO-(CH₂-CH₂-O)_n-H, average molecular mass 20000

Section 02 - Composition information on hazardous ingredients

Hazardous ingredients:

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

Section 03 - Hazards identification

Emergency overview:White flakes.
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.

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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: 1
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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: 464 °F
Method: DIN 51376 (open cup)

Lower explosion limit: Not applicable

Upper explosion limit: Not applicable

Self ignition: not self-igniting

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

Organic dusts have potential to be explosive with static spark or flame initiation. Maintain good housekeeping for control of dust. Ground all containers when transferring to avoid static charges.

Section 06 - Accidental release measures

Steps to be taken in case of spill or leak:

Pre-wet material with water to avoid dust formation. Sweep or vacuum and place in sealable container for disposal. Wear protective equipment and wash thoroughly after handling. Flush residue with water.

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 (AS PARTICULATES)	25322-68-3	US WEEL Guides Data	Time Weighted Average (TWA):	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: 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.

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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
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 Method: Calculated by Syracuse.
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 Source: Analogy
Chemical stability:	Stable.
Hazardous Polymerization:	Will not occur. Conditions to avoid: None known.
Conditions to avoid:	Keep away from heat, sparks, and open flame.

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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.
Eye irritation:	Non-irritating (rabbit) Method: OECD 405 By analogy with a similar product.

Section 12 - Ecological information

Product information:

Biodegradation:	> 95 % (23 d) Method: DIN 38412, part 25 (Static test)
Fish toxicity:	LC50 > 10 g/l (48 h, golden orfe) Method: DIN 38412 T.15 Source: Analogy
Bacteria toxicity:	EC0 > 12.5 mg/l (3 h) Method: OECD 209
Chemical oxygen demand (COD):	1,740 mg/g Method: DIN 38409-H41

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

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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:

This product is not registered with the FDA.

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

Handle with care. Organic dusts have the potential to be explosive with static spark or flame initiation.

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

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