



Safety Data Sheet

Pluriol® P 2000

Revision date : 2015/04/30

Version: 2.0

Page: 1/9

(30044076/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Pluriol® P 2000

Recommended use of the chemical and restriction on use

Recommended use*: Chemical

Suitable for use in industrial sector: chemical industry

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION

100 Park Avenue

Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Synonyms: polypropylenglycol

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

Safety Data Sheet

Pluriol® P 2000

Revision date : 2015/04/30
Version: 2.0

Page: 2/9
(30044076/SDS_GEN_US/EN)

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

CAUTION:

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of dusts/mists/vapours.

Wear NIOSH-certified chemical goggles.

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Wear chemical resistant protective gloves.

Eye wash fountains and safety showers must be easily accessible.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

This product does not contain any components classified as hazardous under the referenced regulation.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
25322-69-4	100.0 %	polypropylenglycol

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

Rinse mouth and then drink plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

Safety Data Sheet

Pluriol® P 2000

Revision date : 2015/04/30
Version: 2.0

Page: 3/9
(30044076/SDS_GEN_US/EN)

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
harmful vapours, carbon oxides
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Keep people away and stay on the upwind side.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
Dispose of absorbed material in accordance with regulations.
For large amounts: Pump off product.
Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling

Keep away from sources of ignition - No smoking.

Protection against fire and explosion:
Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: Stainless steel 1.4401, Stainless steel 1.4301 (V2), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4306 (V2A), Stainless steel 1.4361, Stove-lacquer RDL 50, Steel with polyethylene liner, enamelled, epoxy coated

Safety Data Sheet

Pluriol® P 2000

Revision date : 2015/04/30
Version: 2.0

Page: 4/9
(30044076/SDS_GEN_US/EN)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.
The product is not damaged by low temperatures or by frost.
Protect from temperatures above: 70 °C
Properties of the product change irreversibly on exceeding the limit temperature.

8. Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.

Hand protection:

Chemical resistant protective gloves

Consult with glove manufacturer for testing data.

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	product specific	
Odour threshold:		No data available.
Colour:	colourless to yellowish	
pH value:	approx. 5	(50 g/l, 23 °C) (DIN EN 1262) (as an emulsion)
solidification temperature:	approx. -35 °C	(DIN 51583)
Boiling point:	approx. 200 °C	
Flash point:	approx. 220 °C	(DIN ISO 2592)
Flammability:	not flammable	
Autoignition:	> 200 °C	(DIN 51794)
Vapour pressure:	< 0.1 hPa	(20 °C)
Density:	approx. 1.0 g/cm ³	(23 °C) (DIN 51757)
Relative density:		No data available.
Vapour density:		not determined
Partitioning coefficient n-octanol/water (log Pow):		not determined
Self-ignition temperature:		not self-igniting

Safety Data Sheet

Pluriol® P 2000

Revision date : 2015/04/30
Version: 2.0

Page: 5/9
(30044076/SDS_GEN_US/EN)

Thermal decomposition:	> 300 °C	
Viscosity, dynamic:		not determined
Viscosity, kinematic:	150 mm ² /s 440 mm ² /s	(40 °C) (DIN 51562) (20 °C)
Particle size:		The substance / product is marketed or used in a non solid or granular form.
Solubility in water:		insoluble
Miscibility with water:		not (e.g. <10%)
Solubility (qualitative):	soluble	
Molar mass:	solvent(s): non-polar solvents, approx. 2,000 g/mol	
Evaporation rate:		No data available.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

strong acids, strong bases, strong oxidizing agents, reactive chemicals

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

> 300 °C

11. Toxicological information

Primary routes of exposure

Safety Data Sheet

Pluriol® P 2000

Revision date : 2015/04/30
Version: 2.0

Page: 6/9
(30044076/SDS_GEN_US/EN)

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

Inhalation

Type of value: LC50

Species: rat

not determined

Dermal

Type of value: LD50

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

Skin

Species: rabbit

Result: non-irritant

Method: Draize test

Eye

Species: rabbit

Result: non-irritant

Method: Draize test

Sensitization

Assessment of sensitization: No data available.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Genetic toxicity

Assessment of mutagenicity: No data available concerning mutagenic effects.

Carcinogenicity

Assessment of carcinogenicity: No data available concerning carcinogenic effects.

Reproductive toxicity

Assessment of reproduction toxicity: No data available.

Teratogenicity

Assessment of teratogenicity: No data available.

Safety Data Sheet

Pluriol® P 2000

Revision date : 2015/04/30
Version: 2.0

Page: 7/9
(30044076/SDS_GEN_US/EN)

Symptoms of Exposure

No significant symptoms are expected due to the non-classification of the product.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Toxicity to fish

LC50 (96 h) > 100 mg/l, *Oncorhynchus mykiss*

Literature data.

Aquatic invertebrates

LC50 (48 h), daphnia

not determined

Aquatic plants

EC50 (72 h), algae

not determined

Chronic toxicity to fish

No data available.

Chronic toxicity to aquatic invertebrates

No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

activated sludge/EC50: > 1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Persistence and degradability

Elimination information

> 60 % BOD of the ThOD (28 d) (OECD Guideline 301 F) Readily biodegradable.

Mobility in soil

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

Additional information

Sum parameter

Chemical oxygen demand (COD): 2,050 mg/g

Add. remarks environm. fate & pathway:

Safety Data Sheet

Pluriol® P 2000

Revision date : 2015/04/30
Version: 2.0

Page: 8/9
(30044076/SDS_GEN_US/EN)

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:
Do not release untreated into natural waters.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Not hazardous;

State regulations

CA Prop. 65:

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

Safety Data Sheet

Pluriol® P 2000

Revision date : 2015/04/30
Version: 2.0

Page: 9/9
(30044076/SDS_GEN_US/EN)

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2015/04/30

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