

Safety Data Sheet

Pluriol® E 200 LS

Revision date : 2014/08/11

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Version: 2.0

(30239729/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Pluriol® E 200 LS

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 US 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: PLURACOL E-200

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.

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

Emergency overview

CAUTION:

INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Contact with the eyes or skin may cause mechanical irritation.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of mists/vapours.

Use with local exhaust ventilation.

Wear NIOSH-certified chemical goggles.

Wear chemical resistant protective gloves.

Wear protective clothing.

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

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>
25322-68-3	>= 95.0 - <= 100.0 %	Polyethylene glycol

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms and effects, both acute and delayed

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Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, carbon dioxide, foam

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
No particular hazards known.

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

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

Conditions for safe storage, including any incompatibilities

Further information on storage conditions: No special precautions necessary.

8. Exposure Controls/Personal Protection

Advice on system design:

Provide local exhaust ventilation at elevated temperatures.

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Personal protective equipment

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	mild, of glycol	
Colour:	colourless to slightly yellow	
pH value:	5 - 7	
Boiling point:	> 149 °C	
Flash point:	171 - 246 °C	(ASTM D92)
Vapour pressure:	< 0.35 mmHg	(20 °C)
Density:	1.12 - 1.13 g/cm ³	(20 - 25 °C)
Relative density:	1.12 - 1.13	
Bulk density:	1,130 kg/m ³	
Partitioning coefficient n-octanol/water (log Pow):	-2.3	(calculated)
% volatiles:	< 1 %	
Solubility in water:		fully soluble
Molar mass:	200 g/mol	

10. Stability and Reactivity

Reactivity

Corrosion to metals:
No corrosive effect on metal.

Chemical stability

Possibility of hazardous reactions

The product is chemically stable.

Conditions to avoid

No conditions known that should be avoided.

Incompatible materials

No data available.

Hazardous decomposition products

Decomposition products:
No hazardous decomposition products known.

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11. Toxicological information

Primary routes of exposure

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

Oral

Type of value: LD50
Species: rat
Value: > 2,000 mg/kg

Skin

Species: rabbit
Result: non-irritant
Method: BASF-Test

Eye

Species: rabbit
Result: non-irritant
Method: BASF-Test

Chronic Toxicity/Effects

Other Information

The statement was derived from products of similar composition.

Symptoms of Exposure

Medical conditions aggravated by overexposure

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

12. Ecological Information

Toxicity

Toxicity to fish

LC50 (96 h) > 100 mg/l, *Leuciscus idus*
Analogous: Assessment derived from products with similar chemical character.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

DEV-L2 : > 5,000 mg/l
Analogous: Assessment derived from products with similar chemical character.

Persistence and degradability

Elimination information

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> 70 % DOC reduction (20 d) (OECD 301 A (new version)) Readily biodegradable.

Additional information

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

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

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

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.

RCRA: NA

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;

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
100 LBS	123-91-1	1,4-dioxane
10 LBS	75-21-8	Ethylene Oxide

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NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2014/08/11

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