

Safety data sheet

PLURACOL® PEP450 POLYOL

Revision date : 2009/02/19
Version: 1.1

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(30077370/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Chemical family: polyetherpolyol
Synonyms: POLYETHER POLYOL

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
	100.0 %	Polyol

3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Potential health effects

Primary routes of exposure

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

Acute toxicity:

Ingestion may cause gastrointestinal disturbances.

Irritation:

Irritating to respiratory system. Irritating to eyes and skin.

Sensitization:

Skin sensitizing effects were not observed in animal studies.

Repeated dose toxicity:

No known chronic effects.

Potential environmental effects

Aquatic toxicity:

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

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4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:

Wash affected areas thoroughly with soap and water. Immediate medical attention required.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

5. Fire-fighting measures

Flash point:	365 °F > 160 °C	(ASTM D92)
Autoignition:		Unspecified
Self-ignition temperature:	> 300 °C	

Suitable extinguishing media:

water, dry extinguishing media, carbon dioxide, foam

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Cleanup:

Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and storage

Handling

Protection against fire and explosion:

No explosion proofing necessary.

Storage

General advice:

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No special precautions necessary. Avoid extreme heat. Store protected against freezing.

Storage stability:
Protect against moisture.

8. Exposure controls and personal protection

Advice on system design:
Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

General safety and hygiene measures:
Avoid contact with skin. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid	
	liquid	
Odour:	mild, of polyol	
	almost odourless	
Colour:	water white	
pH value:		No data available.
	approx. 7	(25 °C)
boiling temperature:	> 200 °C	
Vapour pressure:	< 0.1 mbar	(20 °C)
Density:	8.94 lb/USg	(25 °C)
Partitioning coefficient	0.3 - 1.3	(23 °C) (Directive 92/69/EEC, A.8)
n-octanol/water (log Pow):		
Viscosity, dynamic:	2,000 mPa.s	(25 °C)

10. Stability and reactivity

Conditions to avoid:
Avoid moisture.

Hazardous reactions:
The product is chemically stable.
No hazardous reactions if stored and handled as prescribed/indicated.

Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide

Thermal decomposition:
No data available.

Corrosion to metals:
No corrosive effect on metal.

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11. Toxicological information

Acute toxicity

Oral:

LD50/rat:
Practically nontoxic.

Dermal:

LD50/rat/male/female: > 2,000 mg/kg (OECD Guideline 402)

Skin irritation:

rabbit: non-irritant (OECD Guideline 404)

Eye irritation :

rabbit: non-irritant (OECD Guideline 405)

Sensitization:

Mouse Local Lymph Node Assay (LLNA)/mouse: Non-sensitizing.

Chronic toxicity

Genetic toxicity:

The substance was not mutagenic in bacteria.

12. Ecological information

Environmental fate and transport

Biodegradation:

Evaluation: Not readily biodegradable (by OECD criteria).

Environmental toxicity

Acute and prolonged toxicity to fish:

static
Fathead minnow/LC50 (96 h): = > 1000 ppm
Insignificant hazard

Toxicity to aquatic plants:

Guideline 92/69/EEC, C.3 static
green algae/EC0 (72 h): > 100 mg/l
Nominal concentration.

13. Disposal considerations

Waste disposal of substance:

Incinerate in a licensed facility.
Dispose of in a licensed facility.
Do not discharge substance/product into sewer system.

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Container disposal:

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers).

Decontaminate containers prior to disposal. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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:

TSCA, US

released / listed

SARA hazard categories (EPCRA 311/312): Not hazardous

16. Other information

Recommended use: polyurethane component, industrial chemicals

Suitable for use in industrial sector: Polymers industry, chemical industry

HMIS III rating

Health: 1

Flammability: 0

Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local contact information

K_ProdRegs@basf.com

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