

# Safety Data Sheet

## Pluriol® E 600 NF

Revision date : 2019/08/27

Version: 2.2

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(30085895/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

**Pluriol® E 600 NF**

#### Recommended use of the chemical and restriction on use

Recommended use\*: Raw material for the chemical-technical industry

Recommended use\*: surfactant

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

Chemical family:

polyglycol

Synonyms:

PLURACOL E600

POLYETHYLENE GLYCOL 600, PEG 12

Polyethylene Glycol 600 NF

### 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.

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### Label elements

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

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

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## 3. Composition / Information on Ingredients

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

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

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## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

#### If on skin:

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

#### If in eyes:

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

If irritation develops, seek medical attention.

#### If swallowed:

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Immediate medical attention required.

### Most important symptoms and effects, both acute and delayed

Symptoms: (Further) symptoms and / or effects are not known so far

### 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.

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### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

#### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

harmful vapours

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:

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

#### Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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### 6. Accidental release measures

#### Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

#### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures, see section 8.

#### 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.

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### 7. Handling and Storage

#### Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

#### Conditions for safe storage, including any incompatibilities

Suitable materials for containers: Stainless steel 1.4404

Further information on storage conditions: Keep container tightly closed and in a cool place.

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### 8. Exposure Controls/Personal Protection

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none

### Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

### Personal protective equipment

#### Respiratory protection:

Respiratory protection not required.

#### 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.

## 9. Physical and Chemical Properties

|                        |                               |            |
|------------------------|-------------------------------|------------|
| Form:                  | liquid                        |            |
| Odour:                 | mild, almost odourless        |            |
| Colour:                | clear                         |            |
| pH value:              | 4.5 - 7.5                     |            |
| Freezing point:        | approx. 20 °C<br>( 1,013 hPa) |            |
| Boiling point:         | > 300 °F                      |            |
| Flash point:           | 249 °C                        | (ASTM D92) |
| Lower explosion limit: | No data available.            |            |
| Upper explosion limit: | No data available.            |            |
| Autoignition:          | No data available.            |            |
| Vapour pressure:       | < 0.35 mmHg<br>( 20 °C)       |            |
| Density:               | 1.125 g/cm3<br>( 20 - 25 °C)  |            |
| Bulk density:          | 1,130 kg/m3                   |            |
| Thermal decomposition: | No data available.            |            |
| Viscosity, dynamic:    | 10.8 mPa.s<br>( 99 °C)        |            |
| Solubility in water:   | completely soluble            |            |
| Molar mass:            | 600 g/mol                     |            |

## 10. Stability and Reactivity

### Reactivity

Corrosion to metals:

No corrosive effect on metal.

### Chemical stability

#### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

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The product is chemically stable.

### Conditions to avoid

No conditions known that should be avoided.

### Incompatible materials

No substances known that should be avoided.

### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

No data available.

No data available.

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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

#### Acute toxicity

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

#### Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

#### Dermal

Type of value: ATE

Value: > 5,000 mg/kg

#### 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.

### Chronic Toxicity/Effects

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### Repeated dose toxicity

Assessment of repeated dose toxicity: No data available.

### Other Information

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

### **Symptoms of Exposure**

(Further) symptoms and / or effects are not known so far

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## 12. Ecological Information

### **Toxicity**

#### Toxicity to fish

LC50 (96 h) > 100 mg/l, *Leuciscus idus*

### **Microorganisms/Effect on activated sludge**

#### Toxicity to microorganisms

DEV-L2 : > 1,000 mg/l

### **Persistence and degradability**

#### Elimination information

> 70 % DOC reduction (13 d) (OECD 301 A (new version)) Readily biodegradable.

### **Bioaccumulative potential**

#### Bioaccumulation potential

No data available.

### **Mobility in soil**

#### Assessment transport between environmental compartments

No data available.

### **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.

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## 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.

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### Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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:

Pharma TSCA, US released / exempt

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

### CERCLA RQ

100 LBS

10 LBS

### CAS Number

123-91-1

75-21-8

### Chemical name

1,4-dioxane

Ethylene Oxide

### Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

**WARNING:** This product can expose you to chemicals including ETHYLENE OXIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### NFPA Hazard codes:

Health: 1 Fire: 1 Reactivity: 0 Special:

### HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

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### 16. Other Information

#### **SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2019/08/27

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