

# Safety Data Sheet

## Rheovis® PU 1235

Revision date : 2016/08/31

Version: 1.3

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(30604343/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Rheovis® PU 1235

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

Recommended use\*: additives

\* 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: Rheology modifier

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### 2. Hazards Identification

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

#### Classification of the product

Eye Dam./Irrit.

2B

Serious eye damage/eye irritation

#### Label elements

Signal Word:

Warning

Hazard Statement:

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H320 Causes eye irritation.

### Precautionary Statements (Prevention):

P264 Wash with plenty of water and soap thoroughly after handling.

### Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

### Hazards not otherwise classified

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

## 3. Composition / Information on Ingredients

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

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
112-34-5	18.0 - 22.0%	Butyl diglycol

## 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 plenty of water. Do not induce vomiting. Seek medical attention if necessary.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

### 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:  
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.

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### 6. Accidental release measures

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

Avoid dust formation. Avoid inhalation. Use personal protective clothing.

#### Environmental precautions

Contain contaminated water/firefighting water. 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

Protection against fire and explosion:  
No special precautions necessary.

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

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

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### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

Butyl diglycol

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ACGIH TLV      TWA value 10 ppm Inhalable fraction and vapor  
;

**Advice on system design:**  
Ensure adequate ventilation.

### **Personal protective equipment**

**Respiratory protection:**  
Wear respiratory protection if ventilation is inadequate.

**Hand protection:**  
Chemical resistant protective gloves

**Eye protection:**  
Safety glasses with side-shields. Wear face shield if splashing hazard exists.

**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:	product specific	
Odour threshold:	Not determined due to potential health hazard by inhalation.	
Colour:	colourless to white	
pH value:	6 - 8	
	( 10 %(m))	
Freezing point:	not determined	
Boiling point:	100 °C	
Vapour pressure:	not determined	
Density:	1.0324 g/cm <sup>3</sup>	(ISO 2811-3)
	( 15 °C)	
	1.035 g/cm <sup>3</sup>	(DIN 51757)
	( 20 °C)	
	1.021 g/cm <sup>3</sup>	(DIN 51757)
	( 50 °C)	
Relative density:	1.035	
	( 20 °C)	
Vapour density:	not determined	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, dynamic:	2,870 mPa.s	(DIN 53019)
	( 23 °C)	
Solubility in water:	soluble	
Solubility (qualitative):	soluble	
	solvent(s): alcohols,	
Evaporation rate:	not determined	

## 10. Stability and Reactivity

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

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### 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

None known during use and storage if used according to instructions.

### Hazardous decomposition products

Decomposition products:

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

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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. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Oral

Type of value: ATE

Value: > 5,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Inhalation

Type of value: LC50

Species: rat

Exposure time: 4 h  
not determined

#### Dermal

Type of value: LD50

Species: rat

not determined

#### Irritation / corrosion

Assessment of irritating effects: Irritating to eyes. Not irritating to the skin. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Skin

Species: rabbit

Result: non-irritant

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The product has not been tested. The statement has been derived from the properties of the individual components.

### Eye

Species: rabbit

Result: Irritant.

The statements are based on the properties of the individual components.

### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

No data available.

### Aspiration Hazard

No aspiration hazard expected.

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: No known chronic effects. The product has not been tested. The statement has been derived from the properties of the individual components.

### Genetic toxicity

Assessment of mutagenicity: No data available concerning mutagenic effects.

### Carcinogenicity

Assessment of carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

### Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

## Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## 12. Ecological Information

### Toxicity

#### Toxicity to fish

LC50 (96 h) > 100 mg/l, Fish

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Chronic toxicity to fish

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No data available.

Chronic toxicity to aquatic invertebrates  
No data available.

### Microorganisms/Effect on activated sludge

Toxicity to microorganisms  
bacteria/EC50 (0.5 h):  
The product has not been tested. The statement has been derived from the properties of the individual components.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O)  
The polymer component of the product is poorly biodegradable.

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## 13. Disposal considerations

### Waste disposal of substance:

Dispose of in accordance with national, state and local regulations.

### Container disposal:

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

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## 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

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Acute;

**EPCRA 313:**

CAS Number

Chemical name

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112-34-5 Butyl diglycol

### State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	112-34-5	Butyl diglycol
PA	112-34-5	Butyl diglycol

### **NFPA Hazard codes:**

Health : 1      Fire: 1      Reactivity: 0      Special:

## 16. Other Information

### **SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2016/08/31

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