

## Safety data sheet

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BASF Safety data sheet  
Date / Revised: 24.05.2016  
Product: **Rheovis® AS 1180**

Version: 2.0

(30041264/SDS\_GEN\_TH/EN)

Date of print 21.10.2025

### 1. Substance/preparation and manufacturer/supplier identification

#### Rheovis® AS 1180

Use: Raw material, for industrial use only

Manufacturer/supplier:

BASF (Thai) Limited  
23rd Floor, Emporium Tower, 622, Sukhumvit 24 Rd.,  
Klongton, Klongtoey, Bangkok 10110, THAILAND  
Telephone: +66 2624-1999  
Telefax number: +66 2664-9254  
E-mail address: Thailand-SDS-info@basf.com

Emergency information:

International emergency number:  
Telephone: +49 180 2273-112

### 2. Hazard identification

#### Classification according to UN GHS 2009

Classification of the substance and mixture:

Flammable liquids: Cat. 4  
Skin corrosion/irritation: Cat. 3  
Serious eye damage/eye irritation: Cat. 2A  
Hazardous to the aquatic environment - acute: Cat. 2

Label elements and precautionary statement:

Pictogram:



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Signal Word:

Warning

Hazard Statement:

Combustible liquid. Causes serious eye irritation. Causes mild skin irritation. Toxic to aquatic life.

Precautionary Statements (Prevention):

Wear protective gloves and eye/face protection. Avoid release to the environment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Call a POISON CENTER or doctor/physician. If skin irritation occurs: Get medical advice/attention. In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.

Precautionary Statements (Storage):

Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

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

### 3. Composition/information on ingredients

#### Chemical nature

polyacrylate, mineral oil, in water

#### Hazardous ingredients

Ammonia, aqueous solution

Content (W/W):  $\geq 0\%$  -  $< 0.2\%$   
 CAS Number: 1336-21-6

Skin Corr./Irrit.: Cat. 1B  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 2

Alcohols, C12-15 branched and linear, ethoxylated, propoxylated

Content (W/W):  $\geq 1\%$  -  $< 3\%$   
 CAS Number: 120313-48-6

Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 1  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 3  
 M-factor acute: 1

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics

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Content (W/W):  $\geq 20\%$  -  $< 25\%$     Asp. Tox.: Cat. 1  
CAS Number: 64742-47-8

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## 4. First-Aid Measures

General advice:

Immediately remove contaminated clothing.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

Note to physician:

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

Hazards: When inhaled (e.g. during vomiting) risk of pulmonary oedema and/or pneumonia.

Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, dry powder, foam, carbon dioxide

Specific hazards:

No particular hazards known.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

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

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## 6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Avoid contact with skin and eyes.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

Additional information: High risk of slipping due to leakage/spillage of product.

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## 7. Handling and Storage

### Handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

No special precautions necessary.

### Storage

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

Storage stability:

Storage temperature: -10 - 35 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ammonia, aqueous solution, 1336-21-6;

TWA value 25 ppm (ACGIHTLV)

STEL value 35 ppm (ACGIHTLV)

Distillates (petroleum), hydrotreated light, 64742-47-8;

TWA value 200 mg/m<sup>3</sup> (ACGIHTLV), Non-aerosol

Measured as: total hydrocarbon vapor

Application restricted to conditions in which there are negligible aerosol exposures.

Skin Designation (ACGIHTLV), Non-aerosol

Measured as: total hydrocarbon vapor

The substance can be absorbed through the skin.

### Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release.

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

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nitrile rubber (NBR) - 0.4 mm coating thickness  
 Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact  
 (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to  
 EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.  
 Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	white	
Odour:	ammonia-like	
Odour threshold:	No data available.	
pH value:	7.5 - 9.0	(DIN ISO 976)
Freezing point:	not determined	
Flash point:	74 °C	(DIN 51758)
Evaporation rate:	not determined	
Flammability (solid/gas):	not flammable	
Lower explosion limit:	34.9 %(V)	
Upper explosion limit:	90.5 %(V)	
Ignition temperature:	455 °C	(DIN 51794)
Thermal decomposition:	No decomposition if used as directed.	
Self ignition:	not self-igniting	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	123 mbar (50 °C)	
Density:	approx. 1.0 g/cm <sup>3</sup> (20 °C)	(ISO 2811-1)
Relative vapour density (air):	not determined	
Solubility in water:	dispersible	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Surface tension:	No data available.	

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Viscosity, dynamic:	100 - 300 mPa.s (23 °C, 250 1/s)	(DIN EN ISO 3219)
Flow time:	28 s (20 °C)	(DIN 53211)
Solids content:	26.0 - 32.0 %	(DIN EN ISO 3251)

## 10. Stability and Reactivity

Conditions to avoid:  
Avoid extreme temperatures.

Thermal decomposition: No decomposition if used as directed.

Substances to avoid:  
strong oxidizing agents, strong acids, strong bases

Hazardous reactions:  
No hazardous reactions when stored and handled according to instructions.

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

## 11. Toxicological Information

### Acute toxicity

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

Experimental/calculated data:  
LD50 rat (oral): > 5,000 mg/kg (BASF-Test)

LC50 rat (by inhalation):  
not determined

LD50 rat (dermal):  
not determined

### Irritation

Experimental/calculated data:  
Skin corrosion/irritation rabbit: (OECD Guideline 404)  
The product has not been tested. The statement has been derived from the properties of the individual components.

Serious eye damage/irritation rabbit: (OECD Guideline 405)  
The product has not been tested. The statement has been derived from the properties of the individual components.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
No data available.

Experimental/calculated data:  
No data available.

### **Germ cell mutagenicity**

Assessment of mutagenicity:  
The substance was not mutagenic in bacteria.

### **Carcinogenicity**

Assessment of carcinogenicity:  
No data available.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
No data available.

### **Developmental toxicity**

Assessment of teratogenicity:  
No data available.

### **Specific target organ toxicity (single exposure):**

Remarks: No data available.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Acutely toxic for aquatic organisms.

Toxicity to fish:  
LC50 (96 h) 71 mg/l, *Brachydanio rerio* (OECD 203; ISO 7346; 92/69/EEC, C.1, semistatic)

Aquatic invertebrates:  
EC50 (48 h) 3 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Aquatic plants:  
EC50 (72 h) 4.5 mg/l (growth rate), *Scenedesmus subspicatus* (OECD Guideline 201, static)

Microorganisms/Effect on activated sludge:  
> 1,000 mg/l, *Bacillus subtilis* (DEV-L2)  
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Chronic toxicity to fish:

| No data available.

Chronic toxicity to aquatic invertebrates:

| No data available.

Assessment of terrestrial toxicity:

| No data available concerning terrestrial toxicity.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Elimination information:

> 70 % COD reduction (OECD 302B; ISO 9888; 88/302/EEC, part C) Easily eliminated from water.

### **Sum parameter**

Chemical oxygen demand (COD): 635 mg/g

Biochemical oxygen demand (BOD) Incubation period 5 d: 235 mg/g

Biochemical oxygen demand (BOD) Incubation period 30 d: 605 mg/g

### **Bioaccumulation potential**

Assessment bioaccumulation potential:

The product has not been tested.

Bioaccumulation potential:

No data available.

### **Additional information**

Add. remarks environm. fate & pathway:

| 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.

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## **13. Disposal Considerations**

| Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

| Uncontaminated packaging can be re-used.

| Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## 14. Transport Information

### Domestic transport:

| 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

| Hazard determining component(s) for labelling: Alcohols, C12-15 branched and linear, ethoxylated, propoxylated, Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

## 16. Other Information

Any other intended applications should be discussed with the manufacturer.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.