

# Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 09.02.2021

Version: 2.0

Product: **Rheovis® HS 1980**

(ID no. 30492472/SDS\_GEN\_IL/EN)

Date of print 23.10.2025

## 1. Identification

### Product identifier

**Rheovis® HS 1980**

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Raw material, for industrial use only

### Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Global Business Unit Resins and Additives

Telephone: +49 621 60-0

E-mail address: ed-psr@basf.com

### Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

| No need for classification according to GHS criteria for this product.

### Label elements

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**| Globally Harmonized System (GHS)****|** The product does not require a hazard warning label in accordance with GHS criteria.**Other hazards**According to UN GHS criteria

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

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**3. Composition/Information on Ingredients****Substances**

Not applicable

**Mixtures**Chemical naturePolymer based on: acrylic ester, methacrylic ester  
copolymerHazardous ingredients (GHS)

According to UN GHS criteria

**|** No particular hazards known.

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**4. First-Aid Measures****Description of first aid measures**

Remove contaminated clothing.

If inhaled:

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

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 200-300 ml of water, seek medical attention.

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**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**

Treatment: Symptomatic treatment (decontamination, vital functions).

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**5. Fire-Fighting Measures****Extinguishing media**

Suitable extinguishing media:

foam, carbon dioxide, dry powder, water spray

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

No particular hazards known.

**Advice for fire-fighters**

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

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

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**6. Accidental Release Measures****Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Sources of ignition should be kept well clear.

**Environmental precautions**

Do not release untreated into natural waters.

**Methods and material for containment and cleaning up**

For small amounts: Pick up in dry form. Dispose of absorbed material in accordance with regulations.

For large amounts: Pick up in dry form. Dispose of absorbed material in accordance with regulations.

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**7. Handling and Storage****Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid deposition of dust. Dust can form an explosive mixture with air. Sources of ignition should be kept well clear. Take precautionary measures against static discharges.

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

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

**Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## 8. Exposure Controls/Personal Protection

### Control parameters

#### Components with occupational exposure limits

| No substance specific occupational exposure limits known.

### Exposure controls

#### Personal protective equipment

Respiratory protection:

| Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

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):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

| 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)

#### General safety and hygiene measures

| Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

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## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Form:	powder
Colour:	white
Odour:	pungent odour

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Odour threshold:	No data available.	
pH value:	4,5 - 6,0 (water, 30 %(m))	(DIN ISO 976)
softening temperature:	No data available.	
Boiling range:	not applicable	
Flash point:	No data available.	
Evaporation rate:	The product is a non-volatile solid.	
Flammability:	not flammable	(derived from flash point)
Lower explosion limit:	20 g/m3	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	> 200 °C	
Vapour pressure:	No data available.	
Density:	No data available.	
Relative density:	No data available.	
Relative vapour density (air):	No data available.	
Solubility in water:	soluble	
Solubility (quantitative) :	insoluble	
Partitioning coefficient n-octanol/water (log Kow):	No data available.	
Self ignition:	Temperature: 275 °C	(Method: VDI 2263, sheet 1, 1.4.1)
Thermal decomposition:	No decomposition if used correctly.	
Viscosity, dynamic:	not applicable, the product is a solid	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

**Other information**

Self heating ability:	It is not a substance capable of spontaneous heating.	
Minimum ignition energy:	> 30 - < 100 mJ	(DIN EN 13821)
	Inductivity: 0,1 mH	
Bulk density:	300 - 500 kg/m3 (20 °C)	(DIN EN ISO 60)
Miscibility with water:	completely (e.g. >=90%)	
Grain size distribution:	No data available.	

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Solids content:  $\geq 97,0 \%$ (DIN EN ISO 3251)

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## 10. Stability and Reactivity

### Possibility of hazardous reactions

Dust explosion hazard.

### Conditions to avoid

Avoid extreme temperatures. Avoid dust formation.

### Incompatible materials

Substances to avoid:

No substances known that should be avoided.

### Hazardous decomposition products

Hazardous decomposition products:

No data available.

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## 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Experimental/calculated data:

ATE other (oral):  $> 5.000 \text{ mg/kg}$ 

#### Irritation

Assessment of irritating effects:

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

Experimental/calculated data:

Skin corrosion/irritation rabbit:

not determined

Serious eye damage/irritation rabbit:

not determined

#### Respiratory/Skin sensitization

Assessment of sensitization:

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A sensitizing effect on particularly sensitive individuals cannot be excluded. The product has not been tested. The statement has been derived from the properties of the individual components.

Experimental/calculated data:

| not determined

#### Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect.

#### Carcinogenicity

Assessment of carcinogenicity:

The whole of the information assessable provides no indication of a carcinogenic effect.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Not expected to cause reproductive toxicity (based on composition).

#### Developmental toxicity

Assessment of teratogenicity:

| Based on the ingredients, there is no suspicion of a teratogenic effect.

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

| Remarks: No data available.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Experimental/calculated data:

Not expected to cause chronic toxic effects.

#### Aspiration hazard

No aspiration hazard expected.

#### Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

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## 12. Ecological Information

### Toxicity

Assessment of aquatic toxicity:

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

Toxicity to fish:

LC50 (96 h), Fish (other)

not determined

Aquatic invertebrates:

LC50 (48 h), daphnia (other)

not determined

Aquatic plants:

EC50 (72 h), algae (other)

not determined

Microorganisms/Effect on activated sludge:

EC50 (0,5 h), bacteria (other)

not determined

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.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

### **Bioaccumulative potential**

Assessment bioaccumulation potential:

The product has not been tested.

### **Mobility in soil**

Assessment transport between environmental compartments:

Volatility: 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:



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Do not release untreated into natural waters. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The local regulations on waste-water treatment must be followed.

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## 13. Disposal Considerations

### Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to dependence on the usage.

Observe national and local legal requirements.

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## 14. Transport Information

### Land transport

ADR

Not classified as a dangerous good under transport regulations

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

RID

Not classified as a dangerous good under transport regulations

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

### Inland waterway transport

ADN

Not classified as a dangerous good under transport regulations

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

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Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel

Not evaluated

**Sea transport**

## IMDG

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

**Air transport**

## IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

**Transport in bulk according to Annex II of MARPOL and the IBC Code**

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

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**15. Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

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## 16. Other Information

Any other intended applications should be discussed with the manufacturer.

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.

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