

# Safety data sheet

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BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 26.07.2024

Version: 3.0

Product: **Acronal® 7043**

(ID no. 30564781/SDS\_GEN\_00/EN)

Date of print 16.10.2025

## 1. Identification

### Product identifier

**Acronal® 7043**

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

Company:  
BASF SE  
67056 Ludwigshafen  
GERMANY  
Regional Business Unit Dispersions Europe

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 nature

Ammonium salt of modified styrene acrylic polymers, in water

Hazardous ingredients (GHS)

According to UN GHS criteria

ammonia solution 25 wt% in water

Content (W/W):  $\geq 0\%$  -  $< 0,1\%$

CAS Number: 1336-21-6

EC-Number: 215-647-6

REACH registration number: 01-2119488876-14

INDEX-Number: 007-001-01-2

Skin Corr. 1B

Eye Dam. 1

STOT SE 3 (irr. to respiratory syst.)

Aquatic Acute 1

Aquatic Chronic 2

Acute Tox. 4 (Inhalation - vapour)

M-factor acute: 1

H314, H332, H335, H411, H400

EUH071

Specific concentration limit:

STOT SE 3:  $\geq 5\%$

Styrene

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Content (W/W): $\geq 0\%$ - $< 0,2\%$	Asp. Tox. 1
CAS Number: 100-42-5	Flam. Liq. 3
EC-Number: 202-851-5	Acute Tox. 4 (Inhalation - vapour)
	Skin Irrit. 2
	Eye Irrit. 2A
	Repr. 2 (unborn child)
	STOT SE 3 (irr. to respiratory syst.)
	STOT RE (Auditory organ) 1
	Aquatic Acute 2
	Aquatic Chronic 3
	H226, H319, H315, H332, H304, H335, H361, H372, H412, H401

polypropylenglycol

Content (W/W): $\geq 1\%$ - $\leq 3\%$	Acute Tox. 4 (oral)
CAS Number: 25322-69-4	H302

For the classifications not written out in full in this section the full text can be found in section 16.

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## 4. First-Aid Measures

### Description of first aid measures

Remove contaminated clothing.

If inhaled:

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

On skin contact:

Wash thoroughly with soap and water

On contact with eyes:

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

On ingestion:

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting unless told to by a poison control center or doctor.

### 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: 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

harmful vapours

Generation of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters

Further information:

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

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 large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

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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

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

Protect from temperatures below: 5 °C

Protect from temperatures above: 40 °C

### 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

100-42-5: Styrene

111-90-0: 2-(2-Ethoxyethoxy)ethanol

2682-20-4: 2-Methyl-2H-isothiazol-3-one

55965-84-9: mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

1336-21-6: ammonia solution 25 wt% in water

### Exposure controls

#### Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Chemical resistant protective gloves (EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

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.

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## 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

State of matter: liquid

Form: liquid

Colour: off-white

Odour: ammonia-like

Odour threshold:

No applicable information available.

Freezing point:

0 °C

Information applies to the solvent.

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Boiling point:	> 93 °C	
Flammability:	Information applies to the solvent. not flammable, The product is not combustible.	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Flash point:	No flash point - Measurement made up to the boiling point.	
Auto-ignition temperature:	Based on the water content the product does not ignite.	
Thermal decomposition:	Stable up to boiling point.	
pH value:	8,0 - 8,5 (100 %(m), 25 °C)	(DIN ISO 976)
Viscosity, dynamic:	300 - 700 mPa.s (25 °C)	(ISO 1652)
Thixotropy:	not thixotropic	
Solubility in water:	readily soluble	
Solubility (qualitative) solvent(s):	organic solvents soluble	
Partitioning coefficient n-octanol/water (log Kow):	Study scientifically not justified.	
Vapour pressure:	23,4 hPa (20 °C)	
Density:	Information applies to the solvent. approx. 1,04 g/cm <sup>3</sup> (25 °C)	(ISO 2811-1)
Relative vapour density (air):	contains water	
<u>Particle characteristics</u>		
Particle size distribution:	The substance / product is marketed or used in a non solid or granular form. -	

## 9.2. Other information

### Information with regard to physical hazard classes

#### Explosives

Explosion hazard: not explosive

#### Oxidizing properties

Fire promoting properties: not fire-propagating

#### Self-heating substances and mixtures

Self heating ability: It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2.

### Other safety characteristics

Radioactivity: not radioactive for transport purposes

Hygroscopy: Non-hygroscopic

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Surface tension:

not determined

Solids content:

45 - 47 %  
(145 °C)

(DIN EN ISO 3251)

SAPT-Temperature:

Product does not fulfil criteria for polymerizing substances according to transport regulations.

Evaporation rate:

not determined

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## 10. Stability and Reactivity

### Reactivity

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

### Chemical stability

The product is chemically stable.

Peroxides:

The product does not contain peroxides. The product/the substance has not a tendency towards the formation of peroxide.

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

### Conditions to avoid

See SDS section 7 - Handling and storage.

### Incompatible materials

Substances to avoid:

No substances known that should be avoided.

### Hazardous decomposition products

Hazardous decomposition products:

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

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## 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Experimental/calculated data:

LD50 rat (oral): &gt; 5.000 mg/kg

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

LC50 rat (by inhalation):  
not determined

LD50 rat (dermal):  
not determined

### Irritation

Experimental/calculated data:  
Skin corrosion/irritation rabbit: non-irritant (BASF-Test)  
Test conducted with a similar formulation.

Serious eye damage/irritation rabbit: non-irritant (BASF-Test)  
Test conducted with a similar formulation.

### Respiratory/Skin sensitization

Assessment of sensitization:  
A sensitizing effect on particularly sensitive individuals cannot be excluded. Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Experimental/calculated data:  
Guinea pig maximization test guinea pig: Non-sensitizing. (OECD Guideline 406)  
The product has not been tested. The statement has been derived from the properties of the individual components.

### Germ cell mutagenicity

Assessment of mutagenicity:  
Based on the ingredients, there is no suspicion of a mutagenic effect.

### Carcinogenicity

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

### Reproductive toxicity

Assessment of reproduction toxicity:  
Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

### Developmental toxicity

Assessment of teratogenicity:  
Based on the ingredients, there is no suspicion of a teratogenic effect.

### Specific target organ toxicity (single exposure)

Assessment of STOT single:



Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

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

Assessment of repeated dose toxicity:

Repeated oral uptake of the substance did not cause substance-related effects.

Repeated inhalative uptake of the substance did not cause substance-related effects.

Repeated dermal uptake of the substance did not cause substance-related effects.

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

#### Aspiration hazard

No aspiration hazard expected.

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## 12. Ecological Information

### Toxicity

Assessment of aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected.

Toxicity to fish:

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

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

Aquatic invertebrates:

EC50 (48 h) > 100 mg/l, *Daphnia magna* (Screening (style of OECD 202), static)

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

Aquatic plants:

EC50 (72 h), algae

No data available.

Microorganisms/Effect on activated sludge:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Chronic toxicity to fish:

No data available regarding toxicity to fish.

Chronic toxicity to aquatic invertebrates:

No data available regarding toxicity to daphnids.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

## Persistence and degradability

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

The polymer component of the product is poorly biodegradable.

## Bioaccumulative potential

Bioaccumulation potential:

At the present state of knowledge, no negative ecological effects are expected.

## Mobility in soil

Assessment transport between environmental compartments:

Volatility: The substance will not evaporate into the atmosphere from the water surface. The product has not been tested. The statement has been derived from the properties of the individual components.

## 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:

According to experience, the material has no harmful effect on the environment.

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## 13. Disposal Considerations

### Waste treatment methods

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

### Land transport

ADR

UN number or ID number: Not classified as a dangerous good under transport regulations  
Not applicable

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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 or ID 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 or ID 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 inland waterway vessel**

Not evaluated

**Sea transport****IMDG**

Not classified as a dangerous good under transport regulations  
UN number or ID 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

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UN number or ID 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

**Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

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

Not applicable

**16. Other Information**

This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Skin Corr.	Skin corrosion
Eye Dam.	Serious eye damage
STOT SE	Specific target organ toxicity — single exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
Flam. Liq.	Flammable liquids
Skin Irrit.	Skin irritation
Eye Irrit.	Eye irritation
Repr.	Reproductive toxicity
STOT RE	Specific target organ toxicity — repeated exposure
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H304	May be fatal if swallowed and enters airways.
H361	Suspected of damaging the unborn child.
H372	Causes damage to organs (Auditory organ) through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
H401	Toxic to aquatic life.

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**H302**  
**EUH071****Harmful if swallowed.**  
**Corrosive to the respiratory tract.**

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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