

Safety data sheet

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BASF Safety data sheet
Date / Revised: 06.08.2024
Product: **Acronal® 7043**

Version: 3.0

(30564781/SDS_GEN_VN/EN)

Date of print: 06.10.2025

1. Substance/preparation and manufacturer/supplier identification

Product name:
Acronal® 7043

Manufacturer/supplier:

BASF Vietnam Co. Ltd.
Level 23, Deutsches Haus, 33 Le Duan,
Sai Gon Ward, Ho Chi Minh City, Vietnam
Telephone: +84 28 3824 3833
Telefax number: +84 28 3824 3832
E-mail address: minh-triet.thieu@basf.com

Emergency information:

18001703 (Vietnam)
Telefax number: +84 28 3824 3832
International emergency number:
Telephone: +49 180 2273-112

2. Hazard identification

Classification of the substance and mixture:

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

Label elements and precautionary statement:

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

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

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Substance nature: mixture

Ammonium salt of modified styrene acrylic polymers, in water

Hazardous ingredients

ammonia solution 25 wt% in water

Content (W/W): $\geq 0\%$ - $< 0.1\%$
CAS Number: 1336-21-6

Skin Corr.: Cat. 1B
Eye Dam.: Cat. 1
STOT SE: Cat. 3 (irr. to respiratory syst.)
Aquatic Acute: Cat. 1
Aquatic Chronic: Cat. 2
Acute Tox.: Cat. 4 (Inhalation - vapour)
M-factor acute: 1

styrene

Content (W/W): $\geq 0\%$ - $< 0.2\%$
CAS Number: 100-42-5

Asp. Tox.: Cat. 1
Flam. Liq.: Cat. 3
Acute Tox.: Cat. 4 (Inhalation - vapour)
Skin Irrit.: Cat. 2
Eye Irrit.: Cat. 2A
Repr.: Cat. 2 (unborn child)
STOT SE: Cat. 3 (irr. to respiratory syst.)
STOT RE (Auditory organ): Cat. 1
Aquatic Acute: Cat. 2
Aquatic Chronic: Cat. 3

polypropylenglycol

Content (W/W): $\geq 1\%$ - $\leq 3\%$
CAS Number: 25322-69-4

Acute Tox.: Cat. 4 (oral)

4. First-Aid Measures

General advice:

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.

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Note to physician:

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, dry powder, foam

Specific hazards:

harmful vapours

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

Further information:

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

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For large amounts: Pump off product.

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

7. Handling and Storage

Handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

Storage

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

8. Exposure controls and personal protection

Components with occupational exposure limits

styrene, 100-42-5;

STEL value 420 mg/m³ (OEL (VN))
TWA value 85 mg/m³ (OEL (VN))
STEL value 20 ppm (ACGIHTLV)
TWA value 10 ppm (ACGIHTLV)

ammonia solution 25 wt% in water, 1336-21-6;

STEL value 35 ppm (ACGIHTLV)
TWA value 25 ppm (ACGIHTLV)
STEL value 25 mg/m³ (OEL (VN))
TWA value 17 mg/m³ (OEL (VN))

Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Chemical resistant protective gloves

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.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and Chemical Properties

Form: liquid
Colour: off-white
Odour: ammonia-like
Odour threshold: No applicable information available.

pH value: 8.0 - 8.5 (DIN ISO 976)
(100 %(m), 25 °C)

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Freezing point:	0 °C Information applies to the solvent.	
Boiling point:	> 93 °C Information applies to the solvent.	
Flash point:	No flash point - Measurement made up to the boiling point.	
Evaporation rate:	not determined	
Flammability (solid/gas):	not flammable	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	Based on the water content the product does not ignite.	
Thermal decomposition:	Stable up to boiling point.	
Self ignition:	not self-igniting	
Self heating ability:	It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Radioactivity:		not radioactive for transport purposes
Vapour pressure:	23.4 hPa (20 °C) Information applies to the solvent.	
Density:	approx. 1.04 g/cm ³ (25 °C)	(ISO 2811-1)
Relative vapour density (air):	contains water	
Solubility in water:	readily soluble	
Hygroscopy:	Non-hygroscopic	
Solubility (qualitative) solvent(s):	organic solvents soluble	
Partitioning coefficient n-octanol/water (log Pow):	Study scientifically not justified.	
Surface tension:	not determined	
Viscosity, dynamic:	300 - 700 mPa.s (25 °C)	(ISO 1652)

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Solids content: 45 - 47 % (DIN EN ISO 3251)
(145 °C)

10. Stability and Reactivity

Conditions to avoid:
See SDS section 7 - Handling and storage.

Thermal decomposition: Stable up to boiling point.

Substances to avoid:
No substances known that should be avoided.

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.

Chemical stability:
The product is chemically stable.

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

11. Toxicological Information

Routes of exposure

Acute oral toxicity

Experimental/calculated data:
LD50rat (oral): > 5,000 mg/kg
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Acute inhalation toxicity

LC50 rat (by inhalation):
not determined

Acute dermal toxicity

LD50 rat (dermal):
not determined

Symptoms

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

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)

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.

12. Ecological Information

Ecotoxicity

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.

Mobility

Assessment transport between environmental compartments:

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.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The polymer component of the product is poorly biodegradable.

Bioaccumulation potential

Bioaccumulation potential:

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

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.

13. Disposal Considerations

Information on disposal regulations: Must comply with regulations on hazardous waste such as:

- Decree No. 08/2022/ND-CP of the Government: detailing a number of articles of the Law on Environmental Protection.

- Circular No. 02/2022/TT-BTNMT of the Ministry of Natural Resources and Environment: detailing a number of articles of the Law on Environmental Protection.

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.

14. Transport Information

Domestic transport:

	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

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
	Marine pollutant: no
Special precautions for user	None known

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Air transport

IATA/ICAO

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

15. Regulatory Information

Other regulations

The SDS is composed based on the Global Harmonization Globally Harmonized System of Classification and Labeling of Chemicals and applicable local chemical regulations as following:

- The Chemical Law 06/2007/QH12 issued on 21/11/2007.
- The decree No. 113/2017/ND-CP specifying and providing guidelines for implementation of certain articles of the law on chemicals.
- The decree No. 82/2022/ND-CP Amendments to some articles of government's decree no.113/2017/ND-CP dated October 09, 2017 specifying and providing guidelines for implementation of certain articles of the law on chemicals.
- Circular 17/2022/TT-BCT Amendments to some articles of circular no. 32/2017/TT-BCT dated December 28, 2017 of the Minister Of Industry And Trade on elaboration and provision of guidelines for implementation of certain articles of the law on chemicals and the government's decree no. 113/2017/ ND-CP dated October 09, 2017 on elaboration and provision of guidelines for implementation of certain articles of the law on chemicals.
- The decree No. 17/2020/ND-CP Amendments to some articles of decrees related to necessary business conditions in fields under the management of the Ministry Of Industry and Trade.
- The decree No. 34/2024/ND-CP dated March 31st 2024 of the Government on the List of dangerous goods, transportation of dangerous goods by road motor vehicles and transportation of dangerous goods on inland waterways
- The Circular 32/2017/TT-BCT specifying and providing guidelines for implementation of certain articles of the law on chemicals and the government's decree no. 113/2017/ND-CP dated October 09, 2017 specifying and providing guidelines for implementation of certain articles of the law on chemicals.
- The decree No. 33/2024/ND-CP dated March 27th 2024 of the Government on implementing the convention on the prohibition of the development, production, stockpiling and use of chemical weapons and on their destruction

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

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should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

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.