

Safety data sheet

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

Date / Revised: 08.10.2025

Version: 5.3

Product: **Kaurit® Glue 385**

(ID no. 30034926/SDS_GEN_00/EN)

Date of print 09.10.2025

1. Identification

Product identifier

Kaurit® Glue 385

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

Relevant identified uses: Chemical

Recommended use: Chemical

Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Division Monomers

Telephone: +49 621 60 42737

E-mail address: pss.monomers@basf.com

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Skin Sens. 1

Carc. 1B

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

Label elements

Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H317

May cause an allergic skin reaction.

H350

May cause cancer.

Precautionary Statements (Prevention):

P280

Wear protective gloves, protective clothing and eye protection or face protection.

P201

Obtain special instructions before use.

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P202

Do not handle until all safety precautions have been read and understood.

P272

Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P308 + P311

IF exposed or concerned: Call a POISON CENTER or physician.

P303

IF ON SKIN (or hair):

P361

Take off immediately all contaminated clothing.

P352

Wash with plenty of soap and water.

P363

Wash contaminated clothing before reuse.

Precautionary Statements (Storage):

P405

Store locked up.

Precautionary Statements (Disposal):

P501

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

Other hazards

According to UN GHS criteria

No specific dangers known, if the regulations/notes for storage and handling are considered. If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients

Substances

Not applicable

Mixtures

Chemical nature

Polymer based on: Urea, Formaldehyde

in water

Hazardous ingredients (GHS)

According to UN GHS criteria

Formaldehyde

Content (W/W): $\geq 0,3\%$ - $< 1\%$

CAS Number: 50-00-0

EC-Number: 200-001-8

INDEX-Number: 605-001-00-5

Flam. Liq. 4

Acute Tox. 2 (Inhalation - vapour)

Acute Tox. 3 (oral)

Acute Tox. 3 (dermal)

Skin Corr. 1B

Eye Dam. 1

Skin Sens. 1A

Carc. 1B

Aquatic Acute 2

H227, H330, H317, H350, H314, H301 + H311, H401

Specific concentration limit:

Eye Irrit. 2: $5 - < 25\%$

STOT SE 3, irr. to respiratory syst.: $\geq 5\%$

Skin Sens. 1: $\geq 0,2\%$

Skin Irrit. 2: $5 - < 25\%$

Skin Corr. 1B: $\geq 25\%$

Methanol

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Content (W/W): $\geq 0,3\%$ - $< 1\%$	Flam. Liq. 2
CAS Number: 67-56-1	Acute Tox. 3 (Inhalation - vapour)
EC-Number: 200-659-6	Acute Tox. 3 (oral)
INDEX-Number: 603-001-00-X	Acute Tox. 3 (dermal)
	STOT SE (Central nervous system, Optic nerve)
	1
	H225, H301 + H311 + H331, H370
	<u>Specific concentration limit:</u>
	STOT SE 2: 3 - $< 10\%$
	STOT SE 1: $\geq 10\%$

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

4. First-Aid Measures

Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Immediately wash thoroughly with soap and water, seek medical attention.

On contact with eyes:

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

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Hazards: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. (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.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

water spray, foam, carbon dioxide, dry powder

Unsuitable extinguishing media for safety reasons:

water jet

Special hazards arising from the substance or mixture

Formaldehyde, Methanol, Carbon monoxide, Carbon dioxide, nitrogen oxides

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

Advice for fire-fighters

Further information:

Fire debris must be disposed of in accordance with official regulations. In case of combustion evolution of toxic gases/vapours possible. Do not allow to enter drains or waterways. Forms slippery surfaces with water.

6. Accidental Release Measures

Forms slippery surfaces with water.

Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Information regarding personal protective measures, see section 8.

Environmental precautions

Do not allow to enter soil, waterways or waste water channels. Prevent entry into drains and surface waters. Ensure compliance with local regulations before discharging into effluent treatment plants.

Methods and material for containment and cleaning up

For large amounts: Sweep/shovel up.

For residues: Pick up with suitable absorbent material.

7. Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Inform workers about possible hazards caused by the release of formaldehyde during processing.

Protection against fire and explosion:

No special precautions necessary.

Conditions for safe storage, including any incompatibilities

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Suitable materials for containers: Carbon steel (Iron), Stainless steel 1.4401, Stainless steel 1.4301 (V2)

Further information on storage conditions: Keep 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.

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

50-00-0: Formaldehyde

57-13-6: Urea

67-56-1: Methanol

Exposure controls

Personal protective equipment

Respiratory protection:

Breathing protection if gases/vapours are formed. Gas filter for gases/vapours of inorganic compounds (e.g. EN 14387 Type B)

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):

butyl rubber (butyl) - 0.7 mm coating thickness

nitrile rubber (NBR) - 0.4 mm coating thickness

Eye protection:

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

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Do not inhale vapours or dust.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

State of matter: liquid

Form: liquid

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Colour:	white, translucent to opaque	
Odour:	almost odourless	
Odour threshold:	No data available.	
Melting point:	not applicable	
boiling temperature:	approx. 100 °C	
Flammability:	not flammable, not self-igniting	(other)
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Flash point:	not applicable	
Auto-ignition temperature:	not applicable	
Thermal decomposition:	No decomposition if correctly stored and handled.	
pH value:	approx. 8 (20 °C)	(DIN ISO 976)
Viscosity, kinematic:	No data available.	
Viscosity, dynamic:	600 - 800 mPa.s (20 °C)	(DIN EN ISO 3219, Annex B)
Solubility in water:	miscible	
Partitioning coefficient n-octanol/water (log Kow):	< 1,0 The statements are based on the properties of the individual components.	
Vapour pressure:	17 mbar (20 °C) 95 mbar (50 °C) 122 mbar (55 °C)	
Density:	1,29 - 1,30 g/cm³ (20 °C)	(ISO 2811-3)
Relative vapour density (air):	not determined	
<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

Other safety characteristics

Hygroscopy: Non-hygroscopic

Solids content: 64,5 - 66,5 %

Other Information: none

(DIN EN ISO 3251)

Evaporation rate:

Value can be approximated from
Henry's Law Constant or vapor
pressure.

10. Stability and Reactivity

Reactivity

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

Chemical stability

The product is chemically stable.

Possibility of hazardous reactions

During processing with acids, water and / or heat formaldehyde will be released, which may act as a sensitizer.

Conditions to avoid

> 30 °C

Avoid heat. Avoid freezing. See SDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

Organic Peroxides, strong bases, strong acids, acid anhydrides

Hazardous decomposition products

:

Formaldehyde

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard.

Experimental/calculated data:

LD50 rat (oral): > 5.000 mg/kg

rat (by inhalation): 7 h (IRT)

No mortality within the stated exposition time as shown in animal studies.

Irritation

Assessment of irritating effects:

Irritating to skin. Not irritating to the eyes.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant. (Draize test)

Serious eye damage/irritation rabbit: non-irritant

Serious eye damage/irritation rabbit: non-irritant (Draize test)

Respiratory/Skin sensitization

Assessment of sensitization:

May produce an allergic reaction. Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

Germ cell mutagenicity

Assessment of mutagenicity:

Not mutagenic (EU Technical Guidance Document 2003)

Carcinogenicity

Assessment of carcinogenicity:

The substance caused cancer in animal studies.

Information on: Formaldehyde

Assessment of carcinogenicity:

After lifelong inhalation exposure to concentrations that were severely damaging to the nasal epithelium, nasal tumors were induced in rats; in other species these findings were not found or were considerably less pronounced. The International Agency for Research on Cancer (IARC) has classified formaldehyde as a Group 1 (known) human carcinogen based on epidemiological evidence linking formaldehyde exposure to occurrence of nasopharyngeal cancer and leukemia. No adverse health effects are anticipated if recommended personal protective equipment and industrial hygiene practices are used.

Reproductive toxicity

Assessment of reproduction toxicity:

No reproductive toxic effects reported.

Developmental toxicity

Assessment of teratogenicity:

Not a teratogen.

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)

Information on: Formaldehyde

Assessment of repeated dose toxicity:

After repeated exposure the prominent effect is local irritation.

Information on: Methanol

Assessment of repeated dose toxicity:

The substance may cause blindness after repeated ingestion. The substance may cause blindness after repeated inhalation.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

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

Toxicity to fish:

LC50 (48 h) > 500 mg/l, *Leuciscus idus* (static)

Nominal concentration.

Microorganisms/Effect on activated sludge:

activated sludge, industrial (DIN EN ISO 8192-OECD 209-88/302/EEC, P. C, aerobic)

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested.

Elimination information:

No data available.

Bioaccumulative potential

Assessment bioaccumulation potential:

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments:

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Information on: Formaldehyde

Assessment transport between environmental compartments:

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Adsorption in soil: Adsorption to solid soil phase is not expected.

Information on: Methanol

Assessment transport between environmental compartments:

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Adsorption in soil: Adsorption to solid soil phase is not expected.

Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

Additional information

Other ecotoxicological advice:

Do not release untreated into natural waters. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

13. Disposal Considerations

Waste treatment methods

Incinerate in suitable incineration plant, observing local authority regulations.

14. Transport Information

Land transport

ADR

	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	None known

user

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 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

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

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

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

Skin Sens.	Skin sensitization
Carc.	Carcinogenicity
Flam. Liq.	Flammable liquids
Acute Tox.	Acute toxicity
Skin Corr.	Skin corrosion
Eye Dam.	Serious eye damage
Aquatic Acute	Hazardous to the aquatic environment - acute
STOT SE	Specific target organ toxicity — single exposure
Eye Irrit.	Eye irritation
Skin Irrit.	Skin irritation
H227	Combustible liquid.
H330	Fatal if inhaled.
H317	May cause an allergic skin reaction.
H350	May cause cancer.
H314	Causes severe skin burns and eye damage.
H301 + H311	Toxic if swallowed or in contact with skin.
H401	Toxic to aquatic life.
H225	Highly flammable liquid and vapour.
H301 + H311 + H331	Toxic if swallowed, in contact with skin or if inhaled.
H370	Causes damage to organs (Central nervous system, Optic nerve).

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