

Safety Data Sheet

Kaurit® Powder 287

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(30034918/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Kaurit® Powder 287

Recommended use of the chemical and restriction on use

Recommended use*: Chemical

Recommended use*: Chemical; for industrial and professional users

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: No data available.

2. Hazards Identification

According to Regulation 2024 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Sens.	1	Skin sensitization
Carc.	1B	Carcinogenicity

Label elements

Pictogram:

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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 or fume.
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 + P313 IF exposed or concerned: Get medical attention.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Storage):

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified

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

According to Regulation 2024 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Formaldehyde

CAS Number: 50-00-0
Content (W/W): ≥ 0.1 - $\leq 1.0\%$
Synonym: Formaldehyde; Formalin

4. First-Aid Measures

Description of first aid measures

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General advice:

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.

If on skin:

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

If in eyes:

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

If swallowed:

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

Information on: Formaldehyde

Symptoms: Overexposure may cause:, respiratory disorders, headache, coughing, lung oedema

Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

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

Hazards during fire-fighting:
Formaldehyde, harmful vapours
Dust explosion hazard.

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

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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

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.

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 small amounts: Sweep/shovel up.
For large amounts: Sweep/shovel up.

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:

Avoid dust formation. The product is capable of dust explosion. Sources of ignition should be kept well clear. Take precautionary measures against static discharges.

No explosion proofing necessary.

Conditions for safe storage, including any incompatibilities

No applicable information available.

Suitable materials for containers: Low density polyethylene (LDPE), Paper/Fibreboard, High density polyethylene (HDPE), Aluminium

Further information on storage conditions: Keep in a cool place. Keep container dry.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Formaldehyde	ACGIH, US:	STEL value 0.3 ppm ;
	ACGIH, US:	TWA value 0.1 ppm ;
	OSHA, US:	STEL value 2 ppm ;
	OSHA, US:	OSHA Action level 0.5 ppm ;
	OSHA, US:	TWA value 0.75 ppm ;
	NIO ID, US:	IDLH 20 ppm ; IDLH values based on the 1994 Revised Criteria
	NIO ID, US:	LEL 7.0 % ;

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Advice on system design:
Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:

Breathing protection if dusts are formed. Wear a NIOSH-certified (or equivalent) particulate respirator. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. For emergency or non-routine, high exposure situations, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

Chemical resistant protective gloves should be worn to prevent all skin contact., Suitable materials may include, nitrile rubber (Buna N), chloroprene rubber (Neoprene), polyvinylchloride (Pylox), Consult with glove manufacturer for testing data., Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:

Do not breathe dust. Do not breathe vapour/spray. No eating, drinking, smoking or tobacco use at the place of work. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical state:	solid	
Form:	powder	
Odour:	almost odourless	
Odour threshold:	No data available.	
Colour:	white	
pH value:	approx. 7 (660 g/l, 20 °C)	(DIN ISO 976)
Melting point:	approx. 120 °C approx. 120 °C	
Freezing point:	No data available.	
Boiling point:	not applicable	
Sublimation point:	No data available.	
Flash point:	not applicable, the product is a solid	
Flammability:	not readily ignited	(other)
Lower explosion limit:	(20 - 24 °C, 1013 hPa) The lower explosion limit of dust has been determined.	(DIN EN 14034-3)
Upper explosion limit:	For solids not relevant for classification and labelling.	

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Autoignition:	approx. 460 °C	(VDI 2263, sheet 1, 2.6 (May 1990))
SADT:	> 75 °C Heat accumulation / Dewar 500 ml (SADT, UN-Test H.4, 28.4.4)	
Vapour pressure:	not applicable	
Density:	No information is available for the absolute density. Instead the bulk density was determined as a more relevant value.	
Relative density:	not determined	
Bulk density:	approx. 600 kg/m ³	(DIN ISO 697)
Relative vapour density:	The product is a non-volatile solid.	
Partitioning coefficient n-octanol/water (log Pow):	< 1.0 The statements are based on the properties of the individual components.	
Self-ignition temperature:	> 350 °C	(VDI 2263, sheet 1, 1.4.1 (May 1990))
Thermal decomposition:	> 250 °C No decomposition if correctly stored and handled.	
Viscosity, dynamic:	not applicable, the product is a solid	
Viscosity, kinematic:	not applicable, the product is a solid	
Solubility in water:	> 2 g/l The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.	
Solubility (quantitative):	No data available.	
Solubility (qualitative):	No data available.	
Molecular weight:	No data available.	
Evaporation rate:	The product is a non-volatile solid.	
Other Information:	none	

Particle characteristics

Particle size distribution: 33.53 - 77.79 µm (D50, Volumetric Distribution, measured)
fine particles

10. Stability and Reactivity

Reactivity

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

Oxidizing properties:
not fire-propagating

Minimum ignition energy:
650 mJ, Grain size distribution: 3 µm (DIN EN 13821)
1.3 J, Grain size distribution: 100 µm (DIN EN 13821)

Chemical stability

The product is chemically stable.

Possibility of hazardous reactions

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

Conditions to avoid

> 30 degrees Celsius
Avoid heat. Avoid humidity. Avoid dust formation.

Incompatible materials

Organic Peroxides, strong bases, strong acids, acid anhydrides

Hazardous decomposition products

Decomposition products:

Formaldehyde

Thermal decomposition:

> 250 °C

No decomposition if correctly stored and handled.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/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.

Oral

Type of value: LD50

Species: rat

Value: > 10,000 mg/kg

Inhalation

Species: rat

Value: (IRT)

Exposure time: 8 h

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

Dermal

No applicable information available.

Assessment other acute effects

Assessment of STOT single:

The available information is not sufficient for the evaluation of specific target organ toxicity.

Irritation / corrosion

Assessment of irritating effects: Prolonged contact with the product can result in skin irritation. Not irritating to the eyes.

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Skin

Species: rabbit
Result: non-irritant
Method: BASF-Test

Eye

Species: rabbit
Result: non-irritant
Method: BASF-Test

Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

Information on: Formaldehyde

Assessment of sensitization:

Caused skin sensitization in animal studies. Caused sensitization in humans.

OSHA (Occupational Safety and Health Administration) has classified this substance as a skin sensitizer. OSHA (Occupational Safety and Health Administration) has classified this substance as a respiratory sensitizer.

Aspiration Hazard

not applicable

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Information on: Formaldehyde

Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation.

Genetic toxicity

Assessment of mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity: The substance caused cancer in animal studies.

Information on: Formaldehyde

Assessment of carcinogenicity: NTP listed carcinogen 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. Current regulatory information is provided in this SDS. No adverse health effects are anticipated if recommended personal protective equipment and industrial hygiene practices are used.

OSHA (Occupational Safety and Health Administration) has classified this substance as carcinogenic.

Reproductive toxicity

Assessment of reproduction toxicity: Not classified, due to lack of data.

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Teratogenicity

Assessment of teratogenicity: Not classified, due to lack of data.

Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish

LC50 (96 h) > 500 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)
Nominal concentration.

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

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

Additional information

Other ecotoxicological advice:

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

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13. Disposal considerations

Waste disposal of substance:

Incinerate in suitable incineration plant, observing local authority regulations.

14. Transport Information

Land transport

USDOT

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

Federal Regulations

Registration status:

Chemical TSCA, US

All substances are TSCA listed and active.

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

EPCRA 313:

CAS Number

50-00-0

Chemical name

Formaldehyde

CERCLA RQ

100 LBS

CAS Number

50-00-0

Chemical name

Formaldehyde

State regulations

State RTK

NJ

PA

CAS Number

50-00-0

50-00-0

Chemical name

Formaldehyde

Formaldehyde

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including FORMALDEHYDE (GAS), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:

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Health: 2 Fire: 1 Reactivity: 0 Special:

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2025/10/29

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