

Safety data sheet

Page: 1/15

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Kaurit® Powder 234

UFI: MK9A-YHXU-G00S-F82J

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

Relevant identified uses: Chemical

1.3. 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

1.4. Emergency telephone number

International emergency number: Telephone: +49 180 2273-112

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

According to Regulation (EC) No 1272/2008 [CLP]

Skin Sens. 1 H317 May cause an allergic skin reaction.

Skin Irrit. 2 H315 Causes skin irritation.

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

2.2. Label elements

According to Regulation (EC) No 1272/2008 [CLP]

Pictogram:



Signal Word:

Warning

Hazard Statement:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

Precautionary Statements (Prevention):

P280 Wear protective gloves.
P261 Avoid breathing dust or fume.

Precautionary Statements (Response):

P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical attention.

P332 + P313 If skin irritation occurs: Get medical attention.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste

collection point.

Labeling of special preparations (GHS):

Product contains the following components and may cause an allergic skin reaction: Formaldehyde

2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

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

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

but which may contribute to the overall hazards of the substance or mixture. The product is under certain conditions capable of dust explosion.

The product does not contain a substance above legal limits fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Product does not contain a substance above legal limits included in the list established in accordance with Article 59(1) of Regulation (EC) No 1907/2006 for having endocrine disrupting properties or is identified to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical nature

Condensate based on:Urea, Formaldehyde

Regulatory relevant ingredients

No particular hazards known.

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

SECTION 4: First-Aid Measures

4.1. 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:

Rinse mouth and then drink 200-300 ml of water.

to Regulation (EC) No 1907/2006. Date / Revised: 03.07.2025

Version: 1.1 Previous version: 1.0

Date / Previous version: 09.12.2022 Product: **Kaurit® Powder 234**

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

4.2. 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.

Hazards: No hazard is expected under intended use and appropriate handling.

4.3. Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media: water spray, foam, carbon dioxide, dry powder

5.2. Special hazards arising from the substance or mixture

Endangering substances: Formaldehyde, harmful vapours Advice: Dust explosion hazard.

5.3. Advice for fire-fighters

Further information:

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

SECTION 6: Accidental Release Measures

6.1. 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.

6.2. 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.

6.3. Methods and material for containment and cleaning up

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

to Regulation (EC) No 1907/2006. Date / Revised: 03.07.2025

Version: 1.1 Previous version: 1.0

Date / Previous version: 09.12.2022 Product: **Kaurit® Powder 234**

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1. 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.

7.2. Conditions for safe storage, including any incompatibilities

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.

Storage class according to TRGS 510 (originally VCI, Germany): (11) Combustible solids

7.3. 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.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits No occupational exposure limits known.

Components with PNEC

50-00-0: Formaldehyde

freshwater: 0,132 mg/l marine water: 0,132 mg/l intermittent release: 0,49 mg/l sediment (freshwater): 0,686 mg/l sediment (marine water): 0,686 mg/l

soil: 0,059 mg/l STP: 0,19 mg/l

air:

No PNEC value available.

to Regulation (EC) No 1907/2006.

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

Components with DNEL

50-00-0: Formaldehyde

worker: Short-term exposure - systemic and local effects, Inhalation: 0,75

mg/m3, 0,6 ppm

worker: Long-term exposure - systemic and local effects, Inhalation: 0,375

mg/m3, 0,3 ppm

worker: Long-term exposure- systemic effects, dermal: 240 mg/kg consumer: Long-term exposure- systemic effects, oral: 4,1 mg/kg consumer: Long-term exposure- systemic effects, dermal: 102 mg/kg consumer: Long-term exposure - local effects, dermal: 0,012 mg/cm2 consumer: Long-term exposure - systemic and local effects, Inhalation: 0,1

mg/m3

8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Breathing protection if dusts are formed. (Particle filter EN 143 P2 or FFP2)

Hand protection:

Chemical resistant protective gloves (EN ISO 374-1)

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

Do not breathe dust. Do not breathe vapour/spray.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

State of matter: solid Form: powder Colour: white

Odour: almost odourless

Odour threshold:

No data available.

Melting point: approx. 120 °C

Boiling point:

not applicable

Flammability: not applicable

Flash point:

not applicable, the product is a solid

Auto-ignition temperature: 430 °C (VDI 2263, sheet 1, 2.6 (May

1990))

Date / Revised: 03.07.2025 Version: 1.1

Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

Thermal decomposition: carbon monoxide, Carbon dioxide

Prolonged thermal loading can result in products of degradation being

given off.

SADT: > 75 °C

Heat accumulation / Dewar 500 ml (SADT, UN-Test H.4, 28.4.4)

pH value: approx. 8,8 (DIN ISO 976)

(660 g/l, 20 °C)

Viscosity, kinematic:

No data available.

Viscosity, dynamic:

No data available.

Solubility in water: The product has not been tested.

The statement has been derived from substances/products of a similar

structure or composition.

> 2 g/l

Partitioning coefficient n-octanol/water (log Kow): < 1,0

The statements are based on the properties of the individual

components.

Vapour pressure:

not applicable

Relative density:

not determined

Density:

No information is available for the absolute density. Instead the bulk density was determined as a more

relevant value.

Particle characteristics

Particle size distribution: 33,53 - 77,79 µm (D50, Volumetric Distribution,

measured)

fine particles -

9.2. Other information

Information with regard to physical hazard classes

Explosives

Explosion hazard: Product is not explosive, however a

dust explosion could result from an

air / dust mixture.

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.

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

Other safety characteristics

Bulk density: approx. 600 kg/m3 (ISO 697)

Other Information: none

Evaporation rate:

The product is a non-volatile solid.

SECTION 10: Stability and Reactivity

10.1. Reactivity

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

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

Risk of spontaneous polymerization in the presence of strong acids, bases and peroxides. During processing with acids, water and / or heat formaldehyde will be released, which may act as a sensitizer.

10.4. Conditions to avoid

> 30 °C

Avoid heat. Avoid humidity. Avoid dust formation.

10.5. Incompatible materials

Substances to avoid:

Organic Peroxides, strong bases, strong acids, acid anhydrides

10.6. Hazardous decomposition products

Formaldehyde

SECTION 11: Toxicological Information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.

Experimental/calculated data:

LD50 rat (oral): > 10.000 mg/kg

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

rat (by inhalation): 8 h (IRT)

Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.

Irritation

Assessment of irritating effects:

Irritating to skin. Not irritating to the eyes.

Experimental/calculated data:

Skin corrosion/irritation

rabbit: Irritant. (OECD Guideline 404)

Serious eye damage/irritation

rabbit: non-irritant

Serious eye damage/irritation rabbit: non-irritant (BASF-Test)

Respiratory/Skin sensitization

Assessment of sensitization:

After continuous contact with the skin, sensitization cannot be excluded.

Experimental/calculated data:

Guinea pig maximization test guinea pig: skin sensitizing

Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity

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)

to Regulation (EC) No 1907/2006. Date / Revised: 03.07.2025

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

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.

Interactive effects

No data available.

11.2. Information on other hazards

Endocrine disrupting properties

Product does not contain a substance above legal limits included in the list established in accordance with Article 59(1) of Regulation (EC) No 1907/2006 for having endocrine disrupting properties or is identified to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological Information

12.1. 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) > 680 - < 1.000 mg/l, Leuciscus idus (DIN 38412 Part 15, static) Nominal concentration.

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

Microorganisms/Effect on activated sludge:

EC20 (30 min) > 1.000 mg/l, activated sludge, industrial (DIN EN ISO 8192-OECD 209-88/302/EEC,P. C, aerobic)

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

12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O):

The product has not been tested.

Elimination information:

No data available.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

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

12.4. Mobility in soil

Assessment transport between environmental compartments:

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

12.5. Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.6. Endocrine disrupting properties

Product does not contain a substance above legal limits included in the list established in accordance with Article 59(1) of Regulation (EC) No 1907/2006 for having endocrine disrupting properties or is identified to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. 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

to Regulation (EC) No 1907/2006.

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

Other ecotoxicological advice:

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.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Incinerate in suitable incineration plant, observing local authority regulations.

SECTION 14: Transport Information

Land transport

ADR

Not classified as a dangerous good under transport regulations

UN number or ID number:
UN proper shipping name:
Transport hazard class(es):
Packing group:
Environmental hazards:
Special precautions for

Not applicable
Not applicable
Not applicable
Not applicable
Not applicable
Not applicable

user

RID

Not classified as a dangerous good under transport regulations

UN number or ID number:
UN proper shipping name:
Transport hazard class(es):
Packing group:
Environmental hazards:
Special precautions for

Not applicable
Not applicable
Not applicable
Not applicable
Not applicable

user

Inland waterway transport

ADN

Not classified as a dangerous good under transport regulations

UN number or ID number:
UN proper shipping name:
Transport hazard class(es):
Packing group:
Environmental hazards:
Special precautions for

Not applicable
Not applicable
Not applicable
Not applicable
Not applicable

user:

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

UN number or ID number:
UN proper shipping name:
Transport hazard class(es):
Packing group:
Environmental hazards:
Special precautions for

Not applicable
Not applicable
Not applicable
Not applicable
Not applicable

user

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

UN number or ID number:
UN proper shipping name:
Transport hazard class(es):
Packing group:
Environmental hazards:
Special precautions for

Not applicable
Not applicable
Not applicable
Not applicable
Not applicable

user

14.1. UN number or ID number

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Prohibitions, Restrictions and Authorizations

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 77

Hazardous Incident Ordinance (Germany):

Listed in above regulation: no

Classification applies for standard conditions of temperature and pressure.

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):

Listed in above regulation: no

Classification applies for standard conditions of temperature and pressure.

Classification according to 'TA-Luft' (Germany):

Formaldehyde

Water hazard class (§8/§10 AwSV (Self-classification of the mixture according to calculation method)): (1) Weakly water polluting.

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

15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

SECTION 16: Other Information

<u>Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:</u>

Skin Sens. Skin sensitization

Date / Revised: 03.07.2025 Version: 1.1
Date / Previous version: 09.12.2022 Previous version: 1.0

Product: Kaurit® Powder 234

(ID no. 30034912/SDS_GEN_DE/EN)

Date of print 18.10.2025

Skin Irrit. Skin irritation

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail, TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

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.

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