

# Safety Data Sheet

## Kaurit® Powder 234

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(30034912/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

#### Kaurit® Powder 234

#### Recommended use of the chemical and restriction on use

Recommended use\*: Chemical

Recommended use\*: Chemical; for industrial and professional users

Unsuitable for use: Not intended for sale to or use by the general public.

\* 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 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Skin Corr./Irrit.

2

Skin corrosion/irritation

Skin Sens.

1

Skin sensitization

#### Label elements

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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/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or physician.  
P332 + P313 If skin irritation occurs: Get medical attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

Labeling of special preparations (GHS):

This product is capable of releasing formaldehyde into the air. May cause cancer.

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## 3. Composition / Information on Ingredients

### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

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## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

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

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**If on skin:**

Wash thoroughly with soap and water

**If in eyes:**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**If swallowed:**

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

**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.

**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.

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## 5. Fire-Fighting Measures

**Extinguishing media**

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

**Special hazards arising from the substance or mixture**

Hazards during fire-fighting:  
Formaldehyde, harmful vapours

**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.

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## 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. 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 small amounts: Sweep/shovel up.

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For large amounts: Sweep/shovel up.

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## 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:  
Dust can form an explosive mixture with air.

### 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.

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## 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

### Personal protective equipment

#### Respiratory protection:

Breathing protection if dusts are formed.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

#### 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.

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## 9. Physical and Chemical Properties

Form:	powder	
Odour:	faint odour	
Colour:	white	
pH value:	approx. 8.8 ( 660 g/l)	(DIN ISO 976)
Melting point:	approx. 120 °C	
Freezing point:	not applicable	
Boiling point:	not applicable	
Boiling range:	not applicable	
Flash point:	> 200 °C	(DIN ISO 2592)
Autoignition:	410 °C	(DIN 51794)

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Vapour pressure:	not applicable	
Bulk density:	approx. 600 kg/m <sup>3</sup>	(ISO 697)
Partitioning coefficient n-octanol/water (log Pow):	< 1.0	
	The statements are based on the properties of the individual components.	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	carbon monoxide, carbon dioxide Prolonged thermal loading can result in products of degradation being given off.	
Solubility in water:	miscible	
Other Information:	none	

## 10. Stability and Reactivity

### Reactivity

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

Oxidizing properties:  
not fire-propagating

### Chemical stability

The product is chemically stable.

### 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.

### 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:  
Possible thermal decomposition products:  
carbon monoxide, carbon dioxide  
Prolonged thermal loading can result in products of degradation being given off.

## 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

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### 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.

### Oral

Type of value: LD50

Species: rat

Value: > 10,000 mg/kg

### Inhalation

Species: rat

Value: (IRT)

Exposure time: 8 h

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.

### Dermal

Type of value: ATE

Value: > 5,000 mg/kg

### Assessment other acute effects

Assessment of STOT single:

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

### Irritation / corrosion

Assessment of irritating effects: Irritating to skin. Not irritating to the eyes.

### Skin

Species: rabbit

Result: Irritant.

Method: OECD Guideline 404

### Eye

Species: rabbit

Result: non-irritant

Species: rabbit

Result: non-irritant

Method: BASF-Test

### Sensitization

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

Guinea pig maximization test

Species: guinea pig

Result: Caused skin sensitization in animal studies.

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

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*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.*

### Carcinogenicity

*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: No reproductive toxic effects reported.

### Teratogenicity

Assessment of teratogenicity: Not a teratogen.

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## 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) > 680 - < 1,000 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)

Nominal concentration.

### **Microorganisms/Effect on activated sludge**

#### Toxicity to microorganisms

DIN EN ISO 8192-OECD 209-88/302/EEC, P. C aerobic

activated sludge, industrial/EC20 (30 min): > 1,000 mg/l

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

### **Persistence and degradability**

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

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The substance can be virtually eliminated from water in suitable effluent treatment plants by biodegradation, stripping and mechanical separation.

Moderately/partially eliminated from water.

### Elimination information

40 - 50 % DOC reduction (18 d) (OECD 302B; ISO 9888; 88/302/EEC, part C) (aerobic, activated sludge, industrial)

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

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## 13. Disposal considerations

### **Waste disposal of substance:**

Incinerate in suitable incineration plant, observing local authority regulations.

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## 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

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## 15. Regulatory Information

### Federal Regulations

Registration status:



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Chemical TSCA, US released / listed

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

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
100 LBS	50-00-0	Formaldehyde

### State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	50-00-0	Formaldehyde
PA	50-00-0	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](http://www.P65Warnings.ca.gov).

### **NFPA Hazard codes:**

Health: 2 Fire: 1 Reactivity: 0 Special:

## 16. Other Information

### **SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2020/11/09

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