

Safety Data Sheet

Kaurit® Impregnating System 820

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Version: 2.0

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(30034949/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Kaurit® Impregnating System 820

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:

Polymer based on: acrylic resin, modified

2. Hazards Identification

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

Hazards not otherwise classified

Labeling of special preparations (GHS):

May produce an allergic reaction. Contains: Formaldehyde

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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.

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

After inhalation of decomposition products, remove the affected person to a source of fresh air and keep calm. Provide medical aid.

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:

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.

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.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

water spray, foam, carbon dioxide, dry powder

Special hazards arising from the substance or mixture

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Hazards during fire-fighting:
carbon oxides

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

Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

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

Further accidental release measures:

Caution - substance not yet fully tested. Shut off or stop released substance/product under safe conditions.

Personal precautions, protective equipment and emergency procedures

Environmental precautions

Do not discharge into waterways or sewer systems without proper authorization. Dispose of in compliance with the environmental protection requirements.

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.

Conditions for safe storage, including any incompatibilities

Segregate from acids and acid forming substances.

Suitable materials for containers: Stainless steel 1.4401, Stainless steel 1.4301 (V2), Aluminium, Polyester resin, glass reinforced (Palatal A410), High density polyethylene (HDPE), Low density polyethylene (LDPE), glass

Unsuitable materials for containers: Paper/Fibreboard

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

Storage stability:

Storage temperature: 20 °C

Storage duration: 3 Months

Storage temperature: 30 °C

Storage duration: 2 Months

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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 ;

Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Breathing protection if gases/vapours are formed.

Hand protection:

Use appropriate chemically resistant gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	faint odour	
Colour:	white	
pH value:	approx. 8	(DIN ISO 976)
solidification temperature:	approx. 14 °F	
boiling temperature:	approx. 203 °F	
Flash point:	100 °C	(ISO 2592)
	No flash point - Measurement made up to the indicated temperature, pilot light extinguishes.	
Autoignition:	approx. 950 °F	
Vapour pressure:	approx. 0.333 PSI (68 °F)	
Density:	approx. 9.430 Lb/USg (68 °F)	

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Partitioning coefficient n-octanol/water (log Pow):	not determined
Self-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition if correctly stored and handled.
Viscosity, dynamic:	10 - 30 mPa.s (DIN EN ISO 3219, Annex B) (20 °C)
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

Formation of

flammable gases:

Remarks:

Forms no flammable gases in the presence of water.

Chemical stability

The product is chemically stable.

Peroxides:

Substance contains no organic peroxides.

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 degrees Celsius

Avoid heat. Avoid humidity. Avoid dust formation.

Incompatible materials

Organic Peroxides, strong bases, strong acids, acid anhydrides

Hazardous decomposition products

Decomposition products:

Possible thermal decomposition products: Formaldehyde

Thermal decomposition:

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

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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. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Inhalation

Species: rat

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.

Irritation / corrosion

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Skin

Species: rabbit

Result: non-irritant

Method: BASF-Test

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

This compound containing < 1% formaldehyde has no sensitizing effect (literature data).

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

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.

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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.

Other Information

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Toxicity to fish

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

LC50 (96 h) > 6,810 mg/l, *Leuciscus idus* (other, static)

LC50 (96 h) > 2,200 - < 4,600 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)
Nominal concentration.

Aquatic invertebrates

EC50 (48 h) > 100 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)
The statement of the toxic effect relates to the analytically determined concentration.

Aquatic plants

EC50 (72 h) 88.2 mg/l (growth rate), *Desmodesmus subspicatus* (OECD Guideline 201, static)
The statement of the toxic effect relates to the analytically determined concentration.

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Persistence and degradability

Elimination information

No data available.

Bioaccumulative potential

Assessment bioaccumulation potential

The product will not be readily bioavailable due to its consistency and insolubility in water. The product has not been tested. The statement has been derived from the properties of the individual components.

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. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

13. Disposal considerations

Waste disposal of substance:

Do not discharge substance/product into sewer system. Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of container and any rinsate in an environmentally safe manner.

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 released / listed

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

NFPA Hazard codes:

Health: 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2022/10/31

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