

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2015/830)

Zeolite silica-rich, powder

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

1.1. Product identifier

Product name	Zeolite silica-rich, powder
CAS-No.	1318-02-1
EC-No.	930-985-0; 215-283-8
REACH No.	01-2119455853-31-0003
Synonyms	ZEOflair x: x = amendment of the product designation by up to four numerals. ZEOcat PZ-2/x: x = amendment of the product designation by up to six characters.
Product code	None.

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

Use of the Substance/Mixture	Adsorbent Catalyst Desiccant
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1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification	Zeochem AG, www.zeochem.ch Joweid 5, 8630 Rütli, Schweiz Tel.: +41 44 922 93 93 E-Mail: info@zeochem.ch
	Only representative according to Art. 8 Regulation (EC) No 1907/2006: Dr. Knoell Consult GmbH, www.knoell.com Dynamostr. 19, 68165 Mannheim, Deutschland Tel.: +49 621 718 85 80 E-Mail: or-services@knoell.com

1.4. Emergency telephone number	Tox-Zentrum Zürich : 145 / +41 44 251 51 51 [24h/7d]
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 The substance or mixture is not classified.

Additional information For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements

Signal Word None.

Hazard Statements None.

Precautionary statements None.

Supplemental information None.

Product identifier None.

2.3. Other hazards No dangerous ingredients according to Regulation (EC) No. 1272/2008. The activated product generates much heat in contact with water.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Components		CLP Classification	Product identifier
Zeolite silica-rich	> 90%	-	CAS-No.: 1318-02-1 EC-No.: 930-985-0, 215-283-8 REACH No.: 01-2119455853-31-0003
Water	< 10%		CAS-No.: 7732-18-5 EC-No.: 231-791-2

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	No special measures required.
Skin contact	Wash with water and soap as a precaution.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

4.2. Most important symptoms and effects, both acute and delayed None known.

4.3. Indication of any immediate medical attention and special treatment needed None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media No special measures required.

Extinguishing media which must not be used for safety reasons None.

5.2. Special hazards arising from the substance or mixture No data is available on the product itself.

5.3. Advice for firefighters

Special protective equipment for firefighters Standard procedure for chemical fires.

Specific methods No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel No special measures required.

Advice for emergency responders Handle in accordance with good industrial hygiene and safety practice.

6.2. Environmental precautions No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment. After cleaning, flush away traces with water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Store at room temperature in the original container.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)

Total dust
Permissible exposure limit: 10 mg/m³.
Alveolar dust fraction:
Permissible exposure limit: 3 mg/m³.

8.2. Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protection equipment

Respiratory protection

No special protective equipment required.

Hand protection

DRY moleskin gloves.

Eye protection

Avoid contact with eyes.

Skin and body protection

No special measures required.

Thermal hazards

No special measures required.

Environmental exposure controls

No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Powder.

Colour

Beige.

Odour

Odorless

Odour Threshold

Not determined.

pH:	9-11.5 (5% in H ₂ O)
Melting point/range:	> 400°C
Boiling point/range:	Not determined.
Flash point:	does not flash
Evaporation Rate:	Not determined.
Flammability:	Not determined.
Explosion limits:	Not determined.
Vapour pressure:	Not determined.
Vapor density:	Not determined.
Relative density:	500-700 g/L
Water solubility:	practically insoluble
Partition coefficient (n-octanol/water):	n.a.
Autoignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Viscosity:	Not determined.
Explosive properties:	not hazardous
Oxidising properties:	None

9.2. Other information

General Product Characteristics No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Not required.
10.5. Incompatible materials	The activated product generates much heat in contact with water.
10.6. Hazardous decomposition products	None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation	No skin irritation.
Serious eye damage/eye irritation	Slight eye irritation.
Respiratory / Skin Sensitisation	None.
Carcinogenicity	Animal testing did not show any carcinogenic effects.

Germ cell mutagenicity	Animal testing did not show any mutagenic effects.
Reproductive toxicity	Animal testing did not show any hazardous effects.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	This product has no known adverse effect on human health.

SECTION 12: Ecological information

12.1. Toxicity	No data available.
12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	Does not bioaccumulate. Accumulation in aquatic organisms is unlikely. Accumulation in terrestrial organisms is unlikely.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Other adverse effects	No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Offer rinsed packaging material to local recycling facilities.

SECTION 14: Transport information

ADR/RID	Not regulated.
IMDG	Not regulated.
IATA	Not regulated.

Further Information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

Regulatory Information

In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

15.2. Chemical safety assessment

Not required.

SECTION 16: Other information

Revision Note

This data sheet contains changes from the previous version in section(s): 9

Key or legend to abbreviations and acronyms

CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
PEL: Permissible Exposure Limit

Full text of phrases referred to under sections 2 and 3

None.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered a warranty or quality specification.