



Eurovacuum

EV-Zeolite-Beads Safety Data Sheet

Rev: 21-01-2020

1. Product and identification of substance

- 1.1 **Product identifier:** EV-Zeolite-Beads No: 779209
1.2 **Relevant identified uses of the product**
Relevant identified uses: Adsorbents
1.3 **Details of the supplier of the safety data sheet**
Eurovacuum B.V.
Einsteinstraat 58
2811EP Reeuwijk
The Netherlands
www.eurovacuum.eu
1.4 **Emergency contact information:** Tel.: +31(0)854890993
Email: info@eurovacuum.eu

2. Hazards Identification

- 2.1 **Emergency Overview**
Form: Beads or pellets
Color: White to tan
Odor: none
2.2 **Classification of the substance or mixture:**
Classification of the substance or mixture: Carcinogenicity, Category 1A, Inhalation
GHS Label elements, including precautionary statements
Symbol(s):



Signal word: Danger
Hazard statements: May cause cancer by inhalation
Precautionary statements:
Prevention: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
Response: IF exposed or concerned: Get medical advice/ attention.
Storage: Store locked up.
Disposal: Dispose of contents/ container to an approved waste disposal plant.
Hazards not otherwise classified: The product gets hot as it first adsorbs water.

- 2.3 **Carcinogenicity**
- | | | |
|--------|---------------------------------|------------|
| NTP: | Quartz (SiO ₂) | 14808-60-7 |
| | Known carcinogen | |
| IARC: | Quartz (SiO ₂) | 14808-60-7 |
| | Group 1: Carcinogenic to humans | |
| ACGIH: | Quartz (SiO ₂) | 14808-60-7 |
| | A2: Suspected human carcinogen | |

3. Composition / Information On Ingredients

- 3.1 **Chemical nature:** Mixture
- | | | |
|--|------------|----------|
| Zeolite, cuboidal, crystalline, synthetic, non-fibrous | 1318-02-1 | >70.00 % |
| Mineral binder | - | <30.00 % |
| Quartz (SiO ₂) | 14808-60-7 | <5.00 % |
- Note: Composition as shown represents the chemical composition of the product and is not representing the composition for inventory purposes.
See Section 15 for inventory information.

4. First Aid Measures

- 4.1 **Inhalation:** Move to fresh air. If symptoms persist, call a physician.
Skin Contact: Wash off with soap and plenty of water. If skin irritation persists, call a physician.
Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a physician.
Ingestion: Drink at least 2 glasses of water. Obtain medical attention. Never give anything by mouth to an unconscious person.
4.2 **Notes to physician**
Treatment: This product is a desiccant and generates heat as it adsorbs water. The used product can contain material of a hazardous nature. Identify that material and treat symptomatically.

5. Fire Fighting Measures

- 5.1 **Suitable Extinguishing Media:** Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
5.2 **Special hazards during firefighting:** The product itself does not burn. The used product can retain material of a hazardous nature. Identify that material and inform the fire fighters.
5.3 **Special protective equipment for firefighters:** In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.

6. Accidental Release Measures

- 6.1 **Personal Precautions:** For personal protection see section 8
6.2 **Environmental Precautions:** No special environmental precautions required.
6.3 **Methods For Cleaning Up:** Sweep, shovel or vacuum spilled product into appropriate containers (do not use a vacuum if material has contacted a hydrocarbon material). Pick up and arrange disposal without creating dust. Never return spills in original containers for re-use. Spilled product should be disposed of in accordance with all applicable government regulations.

7. Handling and Storage

- 7.1 **Handling:** Handle and open container with care. Avoid dust formation. Avoid contact with skin and eyes. Provide an electrical ground connection during loading and transfer operations to avoid static discharge in an explosive atmosphere and to prevent persons handling the product from receiving static shocks.
7.2 **Storage:** Store in original container. Keep in a dry place.

8. Exposure Controls/ Personal Protection

- 8.1 **Protective measures:** Handle in accordance with good industrial hygiene and safety practice.
Engineering measures: Ensure adequate ventilation, especially in confined areas.
Eye protection: Safety glasses / Safety goggles
Hand protection: Protective gloves
Skin and body protection: Work uniform and gloves to prevent prolonged contact.
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus with filter: NIOSH classification N-100 or if oil/liquid aerosols are present P-100 (42 CFR 84).

Eurovacuum

Head office

Einsteinstraat 58
2811EP Reeuwijk
The Netherlands

Tel. +31-(0)854890993
info@eurovacuum.eu
<http://www.eurovacuum.eu>

8.2 Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	1318-02-1	TWA : Time weighted average	1 mg/m ³	2008	ACGIH:US. ACGIH Threshold Limit Values
Further information: Form of exposure : Respirable fraction.					
Components	CAS-No.	Value	Control parameters	Update	Basis
Quartz (SiO ₂)	14808-60-7	TWA : Time weighted average	0.025 mg/m ³	2008	ACGIH:US. ACGIH Threshold Limit Values
Further information: Form of exposure : Respirable fraction.					
Components	CAS-No.	Value	Control parameters	Update	Basis
Quartz (SiO ₂)	14808-60-7	REL : Recommended exposure limit (REL):	0.05 mg/m ³	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Further information: Form of exposure : Respirable dust.					
Components	CAS-No.	Value	Control parameters	Update	Basis
Quartz (SiO ₂)	14808-60-7	TWA : Time weighted average	0.1 mg/m ³	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Further information: Form of exposure : Respirable dust.					
Components	CAS-No.	Value	Control parameters	Update	Basis
Quartz (SiO ₂)	14808-60-7	TWA : Time weighted average	2.4 millions of particles per cubic foot of air The exposure limit is calculated from the equation, 250/(%SiO ₂ +5), using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits.	2000	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Further information: Form of exposure : Respirable.					
Components	CAS-No.	Value	Control parameters	Update	Basis
Quartz (SiO ₂)	14808-60-7	TWA : Time weighted average	0.1 mg/m ³ The exposure limit is calculated from the equation, 10/(%SiO ₂ +2), using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits.	2000	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Further information: Form of exposure : Respirable.					
Components	CAS-No.	Value	Control parameters	Update	Basis
Quartz (SiO ₂)	14808-60-7	TWA : Time weighted average	0.3 mg/m ³ The exposure limit is calculated from the equation, 30/(%SiO ₂ +2), using a value of 100% SiO ₂ . Lower values of % SiO ₂ will give higher exposure limits.	2000	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Further information: Form of exposure : Total dust.					

9. Physical And Chemical Properties

- 9.1 **Physical state** : Beads or pellets
Color : White to tan
Odor : none
pH : Note: Not applicable
Melting point/range : > 400 °C
Boiling point/boiling range : Note: Not applicable
Flash point : Note: Not applicable
Density : > 2.0 g/cm³
Specific gravity : > 1.0
Water solubility : Note: insoluble
Solubility in other solvents : Note: insoluble
Bulk density : Note: For further information, refer to the product technical data sheet.

10. Stability And Reactivity

- 10.1 **Chemical stability**: Stable.
10.2 **Incompatible materials to avoid**: Sudden contact with high concentrations of chemicals having high heats of adsorption such as olefins, HCl, etc. When first wetted, the product can heat up to the boiling point of water. Flood with water to cool material.
10.3 **Hazardous decomposition products**: No decomposition if used as directed. Hydrocarbons and other materials that contact the product during normal use can be retained on the product. It is reasonable to expect that decomposition products will come from these retained materials of use.

11. Toxicological Information

- 11.1 **Acute oral toxicity**: LD₅₀ Oral: > 32,000 mg/kg. Species: Rat
Acute inhalation toxicity: Note: no data available
Acute dermal toxicity: LD₅₀ Dermal: > 2,000 mg/kg. Species: Rabbit
Skin irritation: Species: Rabbit. Classification: Not classified as a skin irritant in animal testing.
Eye irritation: Species: Rabbit. Result: mild transient effects
Further information: Note: The toxicological data has been taken from products of similar composition.

12. Ecological Information

- 12.1 **Ecotoxicity effects**
Toxicity to fish: Note: no data available
Toxicity to daphnia and other aquatic invertebrates: Note: no data available
Toxicity to algae: Note: no data available
12.2 **Elimination information (persistence and degradability)**
Bioaccumulation: Note: no data available
Mobility: Note: no data available
Biodegradability: Note: no data available
12.3 **Further information on ecology**
Additional ecological information: No information on ecology is available.

13. Disposal Considerations

- 13.1 **Disposal methods**: Consult local regulations. Most states prefer controlled incineration, and forbid discharge into drainage systems. Contaminated packaging should be disposed of responsibly according to local regulations.
Contaminated Packaging: Dispose of product and container carefully and responsibly according to local regulations.



Eurovacuum

14. Transport Information

- 14.1 **DOT** : Not dangerous goods
- 14.2 **TDG** : Not dangerous goods
- 14.3 **IATA** : Not dangerous goods
- 14.4 **IMDG** : Not dangerous goods

15. Regulatory Information

15.1 Inventories

US. Toxic Substances Control Act: On the inventory, or in compliance with the inventory
Australia. Industrial Chemical (Notification and Assessment) Act: On the inventory, or in compliance with the inventory
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL): All components of this product are on the Canadian DSL.
Japan. Kashin-Hou Law List: On the inventory, or in compliance with the inventory
Korea. Toxic Chemical Control Law (TCCL) List: On the inventory, or in compliance with the inventory
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act: On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances: On the inventory, or in compliance with the inventory
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand: On the inventory, or in compliance with the inventory
Note: Zeolites are considered Statutory Mixtures for Inventory purposes.

16. Other Information

	HMIS III	NFPA
Health hazard:	1*	1
Flammability:	0	0
Physical Hazard:	1	
Instability:		1

* - Chronic health hazard

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

This data sheet should be passed to the person responsible in those departments within your company, where products are used or stored. Eurovacuum B.V. strives to provide information which is as error free as possible and in good faith. Customers are advised to conduct adequate research and ensure that their local health and safety (SDS) requirements are met before use. This product is considered safe under everyday use and when good industrial practice is used and maintained for its intended use.

Eurovacuum

Head office

Einsteinstraat 58
2811EP Reeuwijk
The Netherlands

Tel. +31-(0)854890993
info@eurovacuum.eu
<http://www.eurovacuum.eu>