

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

AZOMITE (Z)

Version 2

Revision Date 22.01.2021

1. Identification of the substance/mixture and of the company/undertaking

Product description

Substance name	: Bentonite-Montmorillonite
CAS-number	: 1302-78-9
EC-number	: 215-108-5
Use of the substance/mixture	: Feed material, Anti-Caking Agent, Soil improver, Plant strengthener
Uses advised against	: There are no uses advised against.

Details of the supplier of the safety data sheet

Company	: Behn Meyer Europe GmbH
	Ballindamm 1
	20095 Hamburg
Telephone	: +4940302990
Telefax	: +494030299300
Emergency telephone number	: +1-801-318-0939
E-mail address	: info@azomite.com
Lead Organization	: AZOMITE Mineral Products, Inc., PO Box 21, 27 South Maine, Nephi, UT 84648, USA

2. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
The substance is not classified according to the CLP regulation.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
Information concerning particular hazards for human and environment: Not applicable.

Label elements

Labelling according to Regulation (EC) No 1272/2008 Void
Hazard pictograms Void
Signal word Void
Hazard statements Void

Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable.

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3. Composition/information on ingredients

Chemical characterization: Substances

CAS No. Description

Natural Hydrated Sodium Calcium Aluminosilicate

Identification number(s)

ELINCS number Substance is not listed.

4. First aid measures

Description of first aid measures

- | | |
|---------------------|--|
| After inhalation: | Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. |
| After skin contact: | Wash with plenty of soap and water. If skin irritation occurs: Get medical advice. |
| After eye contact: | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs. |
| After swallowing: | If symptoms persist consult doctor. |

Information for doctor

- Most important symptoms and effects, both acute and delayed
- May cause irritation to skin and eyes due to mechanical effects.
- Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5. Firefighting measures

Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents Water with full jet

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Protective equipment

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation
Avoid formation of dust.
Avoid breathing dust.
Wear protective equipment. Keep unprotected persons away.
Environmental precautions: No special measures required.
Methods and material for containment and cleaning up:
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and storage

Handling:
Precautions for safe handling
The usual precautionary measures are to be adhered to when handling chemicals.
Avoid contact with eyes and skin.
Do not allow dust to accumulate on surfaces and equipment.
Information about fire - and explosion protection: No special measures required.
Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and receptacles No special requirements.
Information about storage in one common storage facility
Store in a cool dry place with adequate ventilation.
Do not store together with acids.
Further information about storage conditions None.

Specific end use(s) No further relevant information available

8. Exposure controls/personal protection

Additional Information about design of technical facilities
If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits.
Ventilation should be sufficient to effectively remove, and prevent buildup of any vapors, dusts, or fumes that may be generated during handling or thermal processing.

Control parameters

Ingredients with limit values that require monitoring at the workplace
Silicic acid, aluminum calcium sodium salt (1344-01-0)
ACGIH: 10 mg/m³ TWA (inhalable particles, recommended); 3 mg/m³ TWA (respirable particles,

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recommended, related to Particulates not otherwise classified (PNOC))
OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction, related to Particulates not otherwise classified (PNOC))

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection: Suitable respiratory protective device recommended.

Protection of hands:



Protective Gloves

Eye protection:



Wear chemical goggles

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9. Physical and chemical properties

Information on basic physical and chemical properties

General information

Appearance:

Form: Solid

Colour: tan to pink

Odour: Odourless

Odour threshold: Not determined.

pH-value: Not applicable.

Change in condition

Melting point: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Flammability (solid, gaseous): Product is not flammable.

Ignition temperature:

Decomposition temperature Not determined.

Self-igniting: Not determined.

Danger of explosion Product does not present an explosion hazard.

Explosion limits

Lower Not determined.

Upper Not determined.

Vapour pressure Not applicable.

Density at 20 °C 0.75 g/cm³

Relative density Not determined.

Vapour density: Not applicable.

Evaporation rate: Not applicable.

Solubility in / Miscibility

Water < 1% at 20°C

Segregation coefficient (n-octanol/water) Not determined.

Viscosity

Dynamic Not applicable.

Kinematic Not applicable.

Other information No further relevant information available.

10. Stability and reactivity

Reactivity

Chemical stability The product is stable under normal conditions.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid

Avoid generating dust. Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

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Incompatible materials: Acids
Hazardous decomposition products:
Formation of toxic gases is possible during heating or in case of fire.

11. Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin May cause slight irritation.

on the eye

Not an eye irritant. Irritation and possible scratching of the cornea due to the mechanical action of the material may occur.

Sensitisation: No sensitising effects known.

Additional toxicological information

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

12. Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environment systems

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information

General notes Not known to be hazardous to water.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13. Disposal considerations

Waste treatment methods Must be disposed of or incinerated in accordance with local regulations.

Uncleaned packaging:

Recommendation Disposal must be made according to official regulations.

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14. Transport information

UN-Number:	
ADR, ADN, IMDG, IATA	Void
UN proper shipping name	
ADR, ADN, IMDG, IATA	Void
Transport hazard class(es)	
ADR, ADN, IMDG, IATA	
Class	Void
Packing group	
ADR, IMDG, IATA	Void
Environmental hazards:	
Marine pollutant	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation"	-

15. Regulatory information

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

Standard for the Uniform Scheduling of Medicines and Poisons Substance is not listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: HSE

Contact: hse@behnmeier.de

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)