



SAFETY DATA SHEET

BentoShield Granules

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to Regulation (EC) No 1907/2006, Annex II, as amended.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name **BentoShield Granules**

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

Identified uses 100% natural mineral, raw material, montmorillonite. Naturally occurring hydrated alumino silicate of sodium, calcium, magnesium, and iron. Construction sector : Overlaps of GCL, drilling, cut off wall, trenches

1.3. Details of the supplier of the safety data sheet

Supplier **Geomas Geokompozit San.ve Tic. A.S**
Cumhuriyet mah. Fatih cad. No:6
Kartal Istanbul, Turkey
Tel: 0216 4514848
Fax: +90 (216) 309 74 75
info@geomas.com.tr

Contact Person Zuhal Nart

1.4. Emergency telephone number

Geomas Geokompozit: 0216 4514848

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008 and SI 2019 No. 720) Not classified.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008 and SI 2019 No. 720)

No labelling required. Not classified.

Hazard Statements

Not classified.

Precautionary Statements

Not classified.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

This product does not contain any substance which may be considered hazardous to the health and environment, according to the current legislation (Regulation (EC) No. 1272/2008).



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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Get medical attention if any discomfort continues.

Ingestion

Get medical attention if any discomfort continues.

Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

May cause eyes irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable and explosive. Use extinguishing media appropriate to surrounding conditions.

5.2. Special hazards arising from the substance or mixture

Specific hazards

No hazardous releases in case of fire are expected.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Move product from fire area if it can be done without risk. If possible, fight fire from protected position.

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact eyes.

6.2. Environmental precautions

This product is mainly based on natural clay which is used to protect the environment, so no special precautions are required.

6.3. Methods and material for containment and cleaning up

Large Spillages: Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

Small Spillages: Remove small spills with vacuum cleaner.

6.4. Reference to other sections

For personal protection, see section 8.

See section 11 for additional information on health hazards.

For waste disposal, see section 13.



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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

No special precautions.
Technical Measures: No special precautions.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from wet.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Respiratory equipment

Not applicable.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

Wear dust resistant safety goggles where there is danger of eye contact.

Hygiene measures

Wash hands and other exposed areas with soap and water before eating and drinking. Keep the working area as tidy as possible.

Skin protection

Wear apron or protective clothing in case of splashes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Granules
Colour	No data available.
Odour	Odorless
Solubility	Insoluble in water. Insoluble in fats
Initial boiling point and range	Not applicable.
Melting point	Not applicable.
Flammability (solid, gas)	Non-flammable
pH-Value (10% in water)	9.5 ±0.5
Flash Point	Not applicable.
Vapour pressure	Not applicable.



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Viscosity	Not applicable.
Vapor Density	No data available.
Auto-ignition temperature	No data available.
Density	No data available.
Partition Coefficient (n-Octanol/Water)	Not applicable.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Decomposition Temperature	No data available.
Explosive Properties	Not explosive.
Oxidizing Properties	Not oxidizing.
Particle characteristic	No data available.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

None expected.

10.4. Conditions to avoid

Keep away from wet.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition or by-products are expected.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute Toxicity - product

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Skin sensitisation

Based on available data the classification criteria are not met.

Respiratory sensitisation

Based on available data the classification criteria are not met.



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Germ cell mutagenicity

Genotoxicity - In Vitro/ In Vivo

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive Toxicity – (Fertility/ Development)

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

The product does not contain endocrine disrupting substances.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

The product is not classified as environmentally hazardous.

12.2. Persistence and degradability

There is no information about its biodegradability.

12.3. Bioaccumulative potential

The product has no bioaccumulation potential.

12.4. Mobility in soil

Insoluble in water.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

The product does not contain endocrine disrupting substances.

12.7. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of in a safe manner in accordance with local/national regulations.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number or ID number

Not applicable.



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14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

- Commission Regulation (EU) 2020/878 of 18 June 2020.
- Health and Safety at Work etc. Act 1974 (as amended).
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Restrictions (Annex XVII Regulation 1907/2006)

There are no known restrictions on the use of this product.

Seveso Directive - Control of major accident hazards

Not relevant.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service.

ATE: Acute Toxicity Estimate.

LC₅₀: Lethal Concentration to 50 % of a test population.

LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).

EC₅₀: 50% of maximal Effective Concentration.



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PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent and Very Bioaccumulative.

Information Sources This SDS is prepared based on the information received from the product owner. ECHA – www.echa.europa.eu

Revision Comments

This SDS has been updated in accordance with current regulations.

Issued By

Büşra Tarakcı / **CRAD**
www.crad.com.tr

Issued Note

Tel: +90.216 335 4600
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