

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

Product identifier: Bianco Zandobbio
Commercial name: Pebble Bianco Zandobbio, Gravel Bianco Zandobbio, Dolomia Bianco Zandobbio
Relevant identified uses of the substance: Prefabricated, tiles, mosaics, plasters, street furniture, glass industry, steel industry, food industry
Details of the supplier of the safety data sheet: GRANULATI ZANDOBBIO S.p.A. 24060 Zandobbio (BG) - Italy Via Selva, 29 info@granulati.it
Emergency telephone number: +39 02 66101029 Poison Control Center Niguarda Hospital

2. Hazards Identification

Classification of the substance or mixture: The substance or mixture is not classified.
Label elements: Not applicable
Other hazards: May cause irritation of respiratory tract.

3. Composition/information on ingredients

Substance: Calcium carbonate, $\text{CaCO}_3 \cong 55\%$, CAS 471-34-1
Magnesium carbonate, $\text{MgCO}_3 \cong 45\%$, CAS 546-93-0
 $\text{CaCO}_3 + \text{MgCO}_3 > 99\%$
There are no impurities in sufficient concentration to be considered harmful.

4. First aid measures

Description of first aid measures:

Inhalation:
Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
Consult a physician for severe cases.

Skin contact:
Wash with water and soap as a precaution. If skin irritation persists, call a physician.

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.

Most important symptoms and effects, both acute and delayed: The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

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

5. Firefighting measures

Description of first aid measures: No special precautions needed, all extinguishing measures are suitable.

Most important symptoms and effects,
both acute and delayed:

The product itself does not burn. At high temperatures (>840°C) occurs the phenomenon of calcination with formation of calcium oxide and carbon dioxide.

Indication of any immediate medical
attention and special treatment needed:

No special precautions needed.

6. Accidental release measures

Personal precautions, protective
equipment and emergency procedures:

Avoid dust formation. Do not breathe vapours/dust.

Environmental precautions:

Evacuate personnel to safe areas.

Methods and material for containment
and cleaning up:

Do not flush into surface water or sanitary sewer system.

Reference to other sections:

Take up mechanically and collect in suitable container for disposal.

See chapter 8 and 13.

7. Handling and storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation. Avoid contact with skin and eyes.

Conditions for safe storage,
including any incompatibilities:

Store at room temperature in the original packaging. Keep in a dry place. In fixed work stations provide local exhaust if the product is used in order to guarantee dispersion of dust.

Specific end uses:

No information available.

8. Exposure controls/personal protection

Control parameters:

Respirable dust fraction:

Permissible exposure limit (TLV): 10 mg/m³ (ACGIH).

Alveolar dust fraction

Permissible exposure limit: 3 mg/m³

Exposure controls:

Occupational exposure controls:

General industrial hygiene practice. Wash hands before breaks and at the end of work day. Avoid contact with skin and eyes.

Personal protection equipment

Respiratory protection:

Do not breathe dust or spray mist. In case of dust formation use dust mask.

Hand protection:

No special measures required.

Eye protection:

Avoid contact with eyes. In case of dust formation wear tight fitting goggles.

Skin and body protection:

No special measures required.

Thermal hazards:

No special measures required.

Environmental exposure controls:

No special measures required.

9. Physical and chemical properties

Information on basic physical
and chemical properties:

State of aggregation: solid
Commercial shape: powder, grains
Colour: white
Odour: no
Water solubility: practically insoluble
Density: 2840 kg/m³
Bulk density: 1500 kg/m³
No information available.

Other information:

10. Stability and reactivity

Reactivity:	Reacts with acids with the formation of CO ₂ .
Chemical stability:	Stable in normal conditions.
Possibility of hazardous reactions:	No hazards to be specifically mentioned.
Conditions to avoid:	No information available.
Incompatible materials:	Acids.
Hazardous decomposition products:	None under normal use.

11. Toxicological information

Information on	Acute toxicity: no data is available on the product itself.
toxicological effects:	Skin corrosion/irritation: none.
	Serious eye damage/eye irritation: may irritate eyes.
	Respiratory/Skin Sensitization: none.
	Carcinogenicity: no data available.
	Germ cell mutagenicity: no data available.
	Reproductive toxicity: no data available.
	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.

12. Ecological information

Toxicity:	No data available.
Persistence and degradability:	Can be eliminated from water by sedimentation.
Bioaccumulative potential:	Does not bioaccumulate.
Mobility in soil:	No data available.
Results of PBT and vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal considerations

Waste treatment methods:	Waste from residues/unused products: Disposal in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. EWC waste disposal No: 01 04 10.
	Contaminated packaging: Offer rinsed packaging material to local recycling facilities.

14. Transport information

Terrestrial (RID/ADR)	Not regulated.
Maritime (IMO)	Not regulated.
Aerial (ICAO/IATA)	Not regulated.
Other info:	Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:	In accordance with Regulation (EC) No. 1272/2008 (GHS/CLP), the product does not need to be classified nor labelled.
Chemical safety assessment:	A Chemical Safety Assessment is not required for this substance.

16. Other information

Bibliography: Regulation (EC) 1907/2006 of the European Parliament (REACH).
Regulation (EC) 1272/2008 of the European Parliament (CLP).
Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP).
Regulation (EU) 2015/830 of the European Parliament.
Regulation (EU) 878/2020 of the European Parliament.
D.Lgs. 81/2008 e s.m.i.

Disclaimer: Every precaution is taken in production to ensure that the product is in conformity with the provided measures and with data published, but since it is a natural product, you may experience a slight change due to variations in natural deposits.

The information contained herein is based on our knowledge at the above specified data.

It is not to be considered a warranty or quality specification.

The user is required to verify the suitability and completeness of such information in relation to the specific intended use.

This sheet cancels and replaces all previous editions.