



2075 Lake Avenue SE – Largo, FL 33771 – www.IBIXUSA.com – sales@ibixusa.com

SAFETY DATA SHEET

As per Directive (CE) n. 1907/2006 and (CE) 1272/2008 Rev. 5 (02.03.2014)

1. ELEMENTS IDENTIFYING THE PRODUCT AND ITS MANUFACTURER				
Product identification: Microgranules of Bianco Carrara marble devoid of dust Type: Z.1 – Z.2 – Z.3 – Z.4 – Z.5 – Z.6				
OTHER NAME: Ground natural calcium carbonate				
MANUFACTURER: IBIX SRL Via La Viola n. 2 - 48022 – S. Maria in Fabriago (RA)				
2. COMPOSITION				
<p>The composition of the BIANCO CARRARA MARBLE products refers to a research made by the C.B.A Society in Forte dei Marmi (Lu) and by the CHELAB SRL Society in Resana (TV) on a BIANCO CARRARA MARBLE POWDER sample. The chemical composition is almost the same in every type of products and it remains constant over time; this is why the analysis are performed once per year. Calcium Carbonate is included in EINECS and reported by Merck Index at no. 11.1657. Calcium Carbonate’s Chemical Abstract Service (CAS) is 1317-65-3. ALIMAC Srl verifies the presence of organic material inside its products, by means of specific analysis performed on marble powder samples. The same analysis tested negative for GMOs. The raw material is microcrystalline marble composed of almost pure Calcium Carbonate, which comes directly from Bianco Carrara marble quarry basins and which therefore is essentially inorganic, as it is possible to exclude, due to its provenance, any relevant presences of bone fragments or protein. In order to quantify any traces of protein, an estimation of ammonia and protein nitrogen has been performed on marble powder. The result is N=0.0004%.</p> <p>Since this value consists totally of protein Nitrogen, there will be an equivalent quantity of protein \leq 0.0025%. In conclusion, the examined material can contain “traces” of organic substances only. In these conditions, GMOs can be considered missing, as they might be only a portion of protein - so $<0.0025\%$. Considering the analysis performed, we can say that:</p> <p style="text-align: center;">It does not contain any substances with occupational exposure limit value.</p>				
Hazardous substances				g/100g
CAS 1317-65-3	Ground Calcium Carbonate(CaCO3)	-----	-----	99.80



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3. RISK IDENTIFICATION		
Hazard Class: -----		
Information concerning particular hazards for human and environment:		
- BIANCO CARRARA MARBLE products do not fall within the definition of specified risk materials of the “General EC Classification Guidelines for Preparations”.		
4. FIRST AID MEASURES		
- Contact with skin: especially if prolonged, it can cause dry skin; rinse abundantly with water and soap.		
- Inhalation can cause irritation: should the person feel ill, consult a doctor.		
- In case of contact with eyes: please avoid eyelids rubbing and rinse abundantly with water, in case of irritation or local pain, consult a doctor.		
5. FIRE PREVENTION MEASURES		
No precautions needed for BIANCO CARRARA MARBLE products, if loose. Packaged materials, packing materials and accessories for packaging are considered flammable. Therefore, it is recommended to keep the packages away from any heat sources and to consider the following parameters:		
Packaging/accessory	Accessory approx. weight	Weight incidence on packaging
Big Bags	1.8 kg	0.12%
Raffia Bag (72 per packs)	45 g	0.18%
Nylon hood	1.5 kg	1.0%
Pallet	40 kg	2.2 %
Nylon sheet	250 g	0.0138%
6. MEASURES IN CASE OF ACCIDENTAL LEAKAGE		
Fires caused by the combustion of the materials above are included in the A category level, therefore the extinguishing should be performed using fire extinguishers containing extinguishing POWDER .		
7. HANDLING AND STORAGE		
-The handling of packages must be made in compliance with the Italian Regulation D.to L.vo 81/08		
Peculiarities about storage:		
- Packages put in bags on pallets can be stacked up to two pallets per row in height maximum.		
- Store in tightly closed packages.		
- Do not store together with acids.		
8. EXPOSURE CONTROL / PERSONAL PROTECTION		



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The AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH) establishes a maximum value of 10 mg/m³ for Calcium Carbonate Powder exposure in working environments.

In any case, it is recommended using IPD for protecting respiratory tract (masks) and eyes (glasses). In case of handling of loose products that are sizable to be loaded on vehicles or on metal containers, you should protect your hearing with safety earplugs or earmuffs.

Personal Protective Equipment

Protective Mask: It is recommended to use marble FFP1 or FFP2 (for prolonged exposures) dust masks.

Protective Gloves: We advise to wear gloves against physical risks (crushing) and against the prolonged exposure to marble powder, which can cause dry skin.

Protective Glasses: Glasses with side panels are strongly recommended.

Clothes: At the end of the handling, please clean/shake the clothes worn during the operation.

Please wash your hands and face at the end of the operation.

9. PHYSICAL PROPERTIES (CHEMICAL PROPERTIES ATTACHED)

Parameter	Unit of measurement
- Physical State	Solid
- Appearance	Grains-Powder
- Colour	White
- Odor	Odorless
- Ph	9.3 – 9.8
- Melting Point	1.340 °C (102 Bar)
- Boiling Point	Unknown
- Flammability Point	Unknown
- Evaporation Rate	Unknown
- Flammability	Nonflammable
- Steam Pressure	
- Steam Density	Negligible
- Relative Density	
- Solubility	Unknown
- n-Octanol/H ₂ O Division Coefficient	<1 (esimated)
- Ignition Temperature	
- Decomposition Temperature	>825°C
-Viscosity	
-Explosive Properties	Not explosive
-Oxidising Properties	

10. STABILITY E REACTIVITY

All the BIANCO CARRARA MARBLE products, as composed of CaCO₃, develop CO₂ when reacting to acids or when subjected to high temperatures (800-1000 C°).



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11. TOXICOLOGICAL INFORMATION	
Any effect of chronic toxicity or sensitivity is practically excluded since solid calcium carbonate is a natural mineral present on the earth's surface and, dissolved, a natural and indispensable component of water as found in nature.	
Acute oral toxicity	DL 50 oral/rat 5.000 mg/kg
12. ECOLOGICAL INFORMATION	
Toxicity	Non-toxic
Persistence and degradation	Non-degradable/persistent
Bioaccumulation	None
In the solid state, calcium carbonate is a mineral present on Earth; dissolved, it is a natural and indispensable component of water as found in nature, so any harmful effect on the environment can be excluded. Calcium carbonate is not biodegradable. Limitations may be indicated concerning concentrated suspensions of calcium carbonate in natural water since they may have undesired effects on aquatic organisms (disturbing microflora and microfauna on water-bottoms) with consequent damage to superior aquatic organisms.	
13. DISPOSAL CONSIDERATIONS	
- Disposal of BIANCO CARRARA MARBLE products: Any unexploited material waste composed of powders, grains or stones, although non-hazardous, must not be discarded in the external environment, but collected inside proper containers and disposed of in accordance with the Italian directive D.M. 5 th February 1997, no. 22 and further modifications. These residues can be considered as special, non-hazardous and recyclable waste with code CER 010413.	
14 TRANSPORT INFORMATION	
Road/Rail (ADR/RID) – non-hazardous Air – No information available Maritime – for loose products, in accordance with the Italian directive D.M. 22.07.1991	
15 REGULATORY INFORMATION	
Bianco Carrara Marble (CaCO ₃), as not chemically treated natural mineral, is exempted from REACH registration.	
16 OTHER INFORMATION	



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Marble powder can be irritating if not correctly used.

In particular, it may cause mild irritations to the respiratory tract in case of prolonged exposure without any protections.

In particular, it may cause irritations to the visual system in case of direct contact with the product (ref. point 4).

1. Italian directive D.M. 22.07.1971 – “Safety in Maritime Transport”
2. Convention SOLAS 7 Reg.54 Chapter II/2 – “Safety in Maritime Transport”
3. Italian directive D.L. 81/08 09.04.2008 – “Hygiene and Safety in working environments”
4. Italian directive D.M. 22 05.02.1997 – “Decree RONCHI TER” and further modifications
5. C.O.N.A.I.
6. A.C.G.I.H. (web – supplement to vol.24 no.1 January 1999)
7. SIGMA ALDRICH (web – e-mail – Fine Chemicals Handbook)
8. HACCP 183/ CE
9. Our products are also in compliance with the following feed industry regulations:
10. Regulation 1272/2008
11. Directive 67/548/CEE
12. Regulation 197/2006
13. Italian Directive D.L. 360 17.08.1999 – Classification and Circulation of feed materials
14. Directive 1999/29/CE – Heavy Metals Restriction
15. Directive 2001/102/CE - PCDD and PCDF Restriction
16. Regulation 183/05 CE – Feed Hygiene

The information and recommendations herein contained are based on data that we consider correct. However, in no case can they be considered an expressed or implicit guarantee.