

## SAFETY DATA SHEET

(According to regulation (EU) 2015/830)

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

**1.1 Product name:** Marking chalk powder: white

**1.2 Using of substance/mixture:** Marking chalk powder

**1.3 Details of the supplier of the safety data sheet:**

Company address: **ZENTEN BERNHARD GROTEN, S.L.** FAICPWHITE CHALK POWDER  
Pol. Soroxarta, Burniola 20C 250G - WHITE  
20305 IRUN  
SPAIN  
Phone number: +34 943 61 21 02  
Mail: webmaster@zentenbg.com

**1.4 Emergency telephone number:**

European toxicology information +33 (0) 140 025 045

### 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture:**

**Classification according to (EC) N° 1272/2008 [CLP]:**

The substance or mixture is not hazardous.

**2.2 Labelling elements**

**Labelling according to (EC) N° 1272/2008 [CLP]:** The substance or mixture is not hazardous.

**2.3 Other hazards**

This substance/mixture does not contain any PBT and vPvB components  $\geq 0.1\%$ .

### 3. COMPOSITION/INFORMATIONS ON INGREDIENT

#### 3.1 Substances

Name	Calcium carbonate (fine powder)	
CE Nr:	215-279-6	
Natural calcium carbonate	1317-65-3	$\geq 85 - < 100$

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### 4. FIRST AIDS MEASURES

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#### 4.1 Description of first aids measures

- **Following inhalation:** Move patient from contaminated area to fresh air in case of accidental inhalation of dust, fumes because of an overheating/combustion. If symptoms persist, call a physician.
- **Following skin contact:** Remove contaminated clothing. Wash off with plenty of water. Get medical attention if symptoms appear.
- **Following eye contact:** Rinse thoroughly with plenty of water, also under the eyelids. Maintain the eye opened during the rinse. Remove the lenses. Protect the no damaged eye.
- **Following ingestion:** Clean the mouth with plenty of water and immediately give large quantities of water to drink. Do not drink milk or alcoholic drinks. Do NOT give an unconscious person anything by mouth.

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

No specific symptoms or effects have been reported.

#### 4.3 Indications of any immediate medical attention and special treatment needed

Data not available.

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### 5. FIRE-FIGHTING MEASURES

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#### 5.1 Extinguishing media

Appropriate extinguishing media: use appropriate extinguishing media according to the area and surroundings.

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: No hazardous combustion products known.

#### 5.3 Advice for firefighters

**Protection against fire:** Do not enter area without proper protective equipment, including respiratory protection.

**Special procedures:** Exercise caution when fighting any chemical fire.

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### 6. ACCIDENTAL RELEASE MEASURES

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#### 6.1 Personal precautions, protective equipment and emergency procedure

Personal precautions: avoid dust formation.

#### 6.2 Environmental precautions

Special environmental precaution are not required.

#### 6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust.  
Keep in properly labelled and closed containers.

#### 6.4 Refer to other sections

Not applicable.

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### 7. HANDLING AND STORAGE

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#### 7.1 Precautions for safe handling

**Protective measures:**

Personal protective equipment, see Section 8. There is no special handling advice.

**Instructions for fire and explosion protection:**

Avoid dust formation. Use an extractor in case of dust formation.

**Advice on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice.

#### 7.2 Condition for safe storage, including any incompatibilities

**Storage:**

Keep only in the original container in a cool, dry well-ventilated place. Keep container closed when not use.

**Storage-away from:**

Acids.

More information about the stability during the storage:

Keep in a dry well-ventilated place. No decomposition if stored and applied normally.

#### 7.3 Specific end use(s)

No data available.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### Occupational exposure limits:

Components	CAS Nr.	Value type (exposure)	Control parameters	Base
Limestone	1317-65-3	VLA-ED (inhalable fraction)	10 mg/ m <sup>3</sup>	ES VLA
		VLA-ED (inhalable fraction-dust)	10 mg/ m <sup>3</sup>	ES VLA
		VLA-ED (respirable dust)	3 mg/ m <sup>3</sup>	ES VLA

#### 8.2 Exposure controls

##### Personal protective equipment

Eye protection: Chemical resistant goggles must be worn.

Hand protection: Wear protective gloves in case of prolonged and repeated contact.

Skin and body protection: Protective suit.

Respiratory protection: In case that the workers are exposed to dust beyond the exposure limits, use appropriate certificate dust mask. Half-face mask type P2 for particles. (European Norm 143).

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on physical and chemical properties

State: powder.

Color: white.

Odour: characteristic.

Odour threshold: not relevant.

PH: (20°C): 8,5-9,5 (concentration 100g/l; DIN-ISO 787/9 method)

Melting point/range: >800°C (1.013 hPa). Decomposition: decompose under the fusion point.

Boiling point/range: Decomposition: decompose under the boiling point.

Flammability (solid, gas): Not flammable.

Flammability index: 1

Upper explosion limit: not applicable.

Lower explosion limit: not applicable.

Steam pressure: not applicable.

Thickness: 22,3-2,8 g/cm<sup>3</sup> (20°C, 1.013 hPa) DIN-ISO 787/10 method

Solubility: 0,014 g/l (20°C, 1.013 hPa)

n-octanol/water partition coefficient: not applicable.

Autoignition temperature: not applicable.

Decomposition temperature: >600°C

Explosive properties: handling: not explosive; Transport: not explosive.

#### 9.2 Other information

Minimum ignition energy: >1.000 mJ (20°C, 1.013 hPa)

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

Stable under recommended storage conditions.

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### 10.2 Chemical stability

No decomposition if storage and apply as stated.

### 10.3 Possibility of hazardous reactions

Stable under recommended storage conditions. No decomposition if used as stated.  
Contact with acids liberates carbon dioxide (CO<sub>2</sub>). This displaces the oxygen in the air in closed areas. (choking hazard)

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

Reacts with acids to form dioxide (CO<sub>2</sub>) which displaces the oxygen in the air in closed spaces.

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## 11. TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicologic effects

#### Acute oral toxicity:

**Product:**

**Acute oral toxicity:** DL50 Oral (Rata): > 5.000 mg/kg

**Components:**

**Natural calcium carbonate:** DL50 Oral (Rata): > 5.000 mg/kg

#### Skin corrosion/irritation:

**Product:**

Based on the EU criteria, the product is not consider as irritating to the skin.

#### Serious eye damage/irritation:

**Product:**

Based on the EU criteria, the product is not consider as irritating to the eyes.

#### Respiratory or skin sensitivity:

**Product:**

No data available.

#### Other data:

**Product:**

No data available.

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### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Acuatic toxicity (product)	Effect dose	Exposure time	Species
Acute fish toxicity	LC 50 > 10.000 mg/l	96 h	<i>Oncorhynchus mykiss</i>
Acute daphnia toxicity	EC 50 > 1.000 mg/l	48 h	<i>Daphnia magna</i>
Acute algae toxicity	EC 50 > 289 mg/L NOEC 75 mg/L	72 h	<i>Desmodesmus subspicatus</i>
Acuatic toxicity (components) Natural calcium carbonate	Effect dose	Exposure time	Species
Acute fish toxicity	LC 50 > 10.000 mg/l	96 h	<i>Oncorhynchus mykiss</i>
Acute daphnia toxicity	EC 50 > 1.000 mg/l	48 h	<i>Daphnia magna</i>
Acute algae toxicity	EC 50 > 200 mg/L	72 h	<i>Desmodesmus subspicatus</i>

#### 12.2 Persistence and biodegradability

Product:

Biodegradability: not applicable.

#### 12.3 Bioaccumulative potential

Components:

Natural calcium carbonate:

n-octanol/water partition coefficient: not applicable.

#### 12.4 Mobility in soil

No data available.

#### 12.5 Other adverse effects

This substance does not meet the criteria for classification as PBT or vPvB.

#### 12.6 Further information

Product:

It is a natural mineral component of the earth in solid state.

In a solution, it is a natural and essential component of water in nature.

These minerals are not biodegradable.

Some suspended concentration of these minerals in natural water can be adverse for the acuatic organisms (microflora and microfauna's sediment stress and therefore a negativ effect for bigger acuatic organisms).

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product:

Wastes should be handled by an authorised waste manager.

Packaging treatment:

Empty containers.

Dispose of as unused product in order with the national regulation.

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### 14. TRANSPORT INFORMATIONS

#### 14.1 Land transport (ADR-RID)

General information: not regulated.

#### 14.2 Sea transport (IMDG)

General information: not regulated.

#### 14.3 Air transport (IACO-IATA)

General information: not regulated.

### 15. REGULATORY INFORMATIONS

#### 15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture

REACH (article 59):	Not applicable
CE 1005/2009 regulation on substances that deplete the ozone layer	Not applicable
CE 850/2004 regulation on persistent organic pollutants	Not applicable
CE 649/2012 regulation concerning the export and import of hazardous chemicals	Not applicable
Seveso II – 2003/105/CE regulation	Not applicable
Seveso III – 2012/18/UE regulation	Not applicable

#### 15.2 Evaluation of chemical security

Not necessary.

### 16. OTHER INFORMATION

Abbreviation and acronyms:

AF	Assessment factor
BCF	Bioconcentration factor
DMEL	Derived maximum effect level
DNEL	Derived no effect level
EC50	Median effect concentration
LC50	Median lethal concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEM	Operator exposure level
PBT	Persistent bioaccumulative toxic
PEC	Predicted no effect level
PNEC	Predicted no effect level
SDS	Safety data sheet
STOT	Specific target organ toxicity
STP	Sewage treatment plant
vPvB	Very persistent very bioaccumulative
BW	Body weight

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Objects revisions: Written in accordance with Regulation (EC) No 1907/2006, Article 31.

The information supplied in this Safety data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or any other processes.

The application of this SDS does not exempt the user from the proper performance of the current regulation. The user is responsible for the missused of this information and its use conditions.

Information source: our supplier's SDS.