

# SAFETY DATA SHEET

(In accordance with directive 2001/58/CE)

**MARMORINO NATURALE**

Rev.4

Date	Revision	Description
02/11/06	4	Insertion of VOC values and update to the XXIX amendment of the Dir. 1999/45/CE
22/02/05	3	Change of legal address
15/04/03	2	Update in accordance with the XXVIII change of the Dir. 1999/45/CE
09/04/02	1	Updated in accordance with the Dir 2001/58/CE
16/09/02	0	Published

## 1 Identification of company and product

**Product Name:** MARMORINO NATURALE

**Product description:** Water based, decorative lime coating.

**Company:** OIKOS S.R.L. – Via Cherubini, 2  
47043 Gatteo Mare (FC)  
Tel. 0547/681412 – Fax 0547/681430

**Emergency Telephone N°:** 0547/681412

## 2 Composition/Information on Ingredients

### Dangerous Components:

Component	No. CAS	No. EINECS	%	Classification	Phrases “R”
Calcium hydroxide	1305-62-0	215-137-3	10-20%	Xi	R41

## 3 Danger Identification

The product results as being dangerous in accordance with directive 1999/45/CE and following amendments.

**Classification of the product:** Xi

### Indication of specific dangers for humans and the environment:

R41 Risk of serious damage to eyes

## 4 First aid measures

Immediate medical assistance is not necessary

**Inhalation:** Breathe fresh air. Consult a doctor should respiratory problems persist.

**Eye contact:** Rinse thoroughly and persistently with fresh water, it is better if the water is a sugar water solution, keeping the eyes wide open, if irritation persists, seek medical advice.

**Skin contact:** Remove all contaminated garments of clothing, wash with soap and water..

**Ingestion:** Drink plenty of water, consult a doctor. Never give anything to be taken orally to a person who is unconscious

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## 5 Anti incendiary Measures

**Ideal means of extinction:** Use suitable means to surround and extinguish the fire (eg. CO<sub>2</sub>, foam, water mist, powder).

**Means of extinction indicated as inappropriate for safety reasons.** None

**Products/gas from thermal decomposition: /**

**Special protection systems for fire fighting personnel:**

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## 6 Accidental spill or leak handling information

**Individual precautions:** Floors may become slippery; use care to avoid falling. Equip oneself with protective clothing.

**Environmental precautions:** Avoid the infiltration of surface water courses or sewer networks.

**Means of Intervention:** Contain leaks with inert material (sand, sawdust, etc.). Transfer the product in separate containers for its recovery or disposal. Wash thoroughly with water.

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## 7 Storage and handling

**Handling:** Avoid contact with the eyes and skin. When the product is not in use, keep containers closed

**Storage:** Keep containers closed. Keep from freezing. Do not store the material at temperatures lower than +2°C, or in excess of +36°C.

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## 8 Personal protection./exposure controls.

**Exposure limit Information:** No data available

**Controls on professional exposure:**

- **Protection of the respiratory system:** Not necessary.
- **Hand protection:** Protective gloves.
- **Eye protection:** Safety glasses.
- **Skin protection:** Use protective clothing.

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**Controls on environmental exposure: /**

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## 9 Chemical and physical properties

<b>Appearance</b>	Paste
<b>Colour</b>	White + shades from the colour chart
<b>State</b>	Liquid
<b>Odour</b>	Characteristic
<b>pH</b>	12,0-12,5
<b>Boiling point/interval</b>	Data not available
<b>Flash point</b>	Data not available
<b>Flammability</b>	Data not available
<b>Explosive properties</b>	Data not available
<b>Combustion properties</b>	Data not available
<b>Vapour pressure</b>	Data not available
<b>Relative density</b>	1,5
<b>Solubility</b>	Mixable in water
<b>Coefficient of Octanol/Water partition</b>	Data not available
<b>Viscosity</b>	Tixotropic
<b>Vapour density</b>	Data not available
<b>Speed of evaporation</b>	Data not available

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## 10 Stability and reactivity

**Conditions to avoid:** Contact with strong acids.

**Materials to avoid::** Strong acids and materials that oxidise.

**The result of dangerous decomposition:** Through heating (580°C) calcium oxide is formed that reacts with water creating heat.

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## 11 Toxicological Information

**Toxicity through inhalation** irritant to the respiratory system.

**Toxicity through ingestion:** No data available.

**Skin irritation:** Irritant.

**Eye irritation:** irritant, can cause damage.

**Toxicological information on components:**

1305-62-0 calcium hydroxide:

LD 50 (rat by mouth) 7340 mg/kg

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## 12 Ecological Information

**Eco-toxicity of the product:** Data not available.

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**Mobility, persistence, degradability and potential for bioaccumulation of the components:**  
1305-62-0 calcium hydroxide: The product can pollute small rivers due to its level of alkalinity, the effect however, disappears quickly due to simple dilution.

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**Further Information:** Use according to good working practices, avoid dispersion into the environment. Do not introduce the product into the water table, surface water courses or into the sewer network.

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## 13 Remarks on disposal

**Disposal:** The remainder of the product, waste deriving from the use of the product and the empty containers must be disposed of in accordance with the applicable state or regional regulations

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## 14 Transport Information

**Classification for transportation by road or rail. (ADR/RID):**

**Classification for transportation by sea (IMO/IMDG):**

**Classification for transportation by air (IATA/ICAO):**

(No particular transport conditions exist.).

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## 15 Information on the regulations

The product is classified according to the Chemical compound Directive 1999/45/CE updated to the XXIX amendment

**Etichettatura: Xi**

**Contains:**

Calcium hydroxide.

**Phrases "R" (Risk phrases):**

R41: Risk of serious damage to eyes.

**Phrases "S" (Safety advice):**

S2 Keep out of reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

**Indications according to the norm 2004/42/CE regarding the emissions limit of volatile organic compounds (Directive VOC):** Classification A/a ; VOC: 3 g/l (maximum).

Phase I Limit (1.1.2007): 75 g/l ; Phase II Limit (1.1.2010): 30 g/l

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## 16 Other Information

### List of relative “R” phrases:

R41: Risk of serious damage to eyes.

### Bibliography:

Safety Data Sheets supplied by Manufacturers.

The information contained in this Safety Data Sheet is correct as far as our best knowledge of the product at the time of publication. Such information is supplied with the only intent being to allow the correct and safe use, storage, transportation and disposal of the product. This information must not be considered a guarantee or proof of the quality of the product. Such information refers solely to the material specifically indicated in this safety data sheet and is not valid in the event that the product is used together with other materials or in other processes different from those indicated in the text of the above Safety Data Sheet.

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