

SAFETY DATA SHEET

(In accordance with directive 2001/58/CE)

RAFFAELLO MADREPERLATO

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	Updated 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: RAFFAELLO MADREPERLATO

Product Description: Decorative, water based coating.

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

Emergency telephone N°: 0039 0547/681412

2 Composition/Information on Ingredients

Dangerous Components:

Component	No. CAS	No. EINECS	%	Classification	“R” Phrases
Calcium Hydroxide	1305-62-0	215-137-3	20-30%	Xi	R41

3 Danger Identification

The product results as 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. CO₂, 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: Wear suitable breathing aparatus and complete protective clothing.

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.

7 Storage and handling

Handling: Avoid contact with the eyes and skin.

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

8 Personal protection./exposure controls.

Exposure limit information:

1305-62-0 calcium hydroxide: TLV/TWA 5mg/m³

Controls on professional exposure:

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

Controls on environmental exposure:/

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9 Chemical and physical properties

Appearance	Paste
Colour	White + shades of the color chart
State	Liquid
Odour	Characteristic
pH	12,5-13,5
Boiling point/interval	Data not available
Flash point	Data not available
Flammability	Data not available
Explosive properties	Data not available
Combustion properties	Data not available
Vapour pressure	Data not available
Relative density	1,25
Solubility	Mixable in water
Coefficient of Octanol/Water partition	Data not available.
Viscosity	tixotropic
Vapour density	Data not available
Speed of evaporation	Data not available

10 Stability and reactivity

Conditions to avoid: Contact with strong acids.

Materials to avoid: Strong acids or materials that can oxidise.

The result of dangerous decomposition: On heating (580°C) calcium oxide forms that reacts with water creating heat.

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 the components:

1305-62-0 calcium hydroxide:

LD 50 (oral rate) 7340 mg/kg

12 Ecological Information

Eco-toxicity of the product: No data 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 and water ways, due to its alkaline nature, the effect however disappears quickly over time through dilution.

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.

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

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.)

15 Information on the regulations

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

Labels: Xi

Contains:

Calcium hydroxide.

“R” Phrases (Risk Phrases):

R41: Risk of serious damage to eyes.

“S” Phrases (Safety advice):

S2 Keep out of the 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/1 ; VOC: 58 g/l (maximum).

Phase I Limit (1.1.2007): 300 g/l ; Phase II Limit (1.1.2010): 200 g/l

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16 Other Information

List of the 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.