

MATERIAL SAFETY DATA SHEET - according to european directive 2006/8/EC and to regulation (EC) N. 1907/2006



Manufactured by: HARPO spa – **Rialto** division 34123 Trieste - Italy
Tech. Sheet N°: 25/P/RI
Product name: **RIALTO EPOCA OTTOCENTO**
Revision nr. 5 dated: 01.10.2008

01. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

1.1 Identification of the substance or preparation:

Product name: Rialto Epoca Ottocento.

1.2 Use of the substance / preparation:

Intended use: Rialto Epoca Ottocento has a particular matt decorative appearance. It is made up of seasoned slaked lime, selected mineral additives, natural pigments and oxides.
Chemical name and synonym: Interior and exterior paint based on seasoned slaked lime, inert materials and pigments.

1.3 Company identification:

Name: HARPO spa
Full address: Via Torino, 34
34123 Trieste (TS)
District and Country: Italy
Tel. +39 040 3186611
Fax +39 040 3186666

E-mail address of the competent person responsible for the Safety Data Sheet: rialto@rialto-colors.com (rif. dr. L. Renni – technical manager)

Product distribution by:

1.4 Telephone number for urgent inquiries: Harpo spa
+39 040 2397211 (timetable: 8.00 - 16.30)

02. HAZARD IDENTIFICATION

2.1 Substance/Preparation Classification:

This compound is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments (directive 2006/8/EC and regulation n. 1907/EC). This compound requires a safety data sheet according to the Regulation (EC) 1907/2006 and subsequent amendments.. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xi
Phrases R: 36/37/38

2.2 Danger Identification:

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

03. COMPOSITION/INFORMATION ON INGREDIENTS

| Name | Concentr.(C) | Classification | |
|--|--------------|----------------|-----------|
| Calcium and magnesium carbonate Cas No 16389-88-1 CE No 240-440-2 Substance with a community workplace exposure limit | 30 - 35 % | - | |
| Water solution based on calcium and magnesium hydroxide | 20 - 25 % | Xi | R36/37/38 |
| Quartz Cas No 14808-60-7 CE No 238-878-4 Substance with a community workplace exposure limit | 1 - 1,5 % | Xn | R48/20 |

The complete text of -R- phrases is specified in section 16.

04. FIRST – AID MEASURES

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.

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INHALATION: Remove to fresh air. If breathing is irregular seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.



In all cases of doubt or if symptoms persist, resorting to medical care.
Never give anything by mouth, if the person is unconscious.

05. FIRE – FIGHTING MEASURES

Allow containers to cool in order to avoid product decomposition and generation of substances which might injure the health and be dangerous for safety reasons. Wear the fire equipment all the time.

06. ACCIDENTAL RELEASE MEASURES

Limit leakages with earth or inert material. Remove most of the product and then rinse the involved area by jets of water.

07. HANDLING AND STORAGE

Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity. Refer to the other sections of this data sheet for information relating to health and environmental risks.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values :

CALCIUM, MAGNESIUM
CARBONATE

- TLV TWA 10 mg/m³ ACGIH

Quartz

- TLV TWA 0,1 mg/m³ ACGIH

- The data refer to the substance and not to the mixture.

8.2 Exposure controls:

Adopt the closed circuit, if possible. If lacking, in order to avoid exposure and prevent its possible effects, even long-term, it is necessary to use adequate individual protective measures such as: masks, safety goggles, impermeable gloves and overalls, resistant to the product:



Ensure that all the operators follow the recommended precautions. Attach a copy to the containers in which the product may be transferred and do not use the product if the working conditions do not correspond to the recommended precautions; avoid contact with the eyes and skin and prolonged breathing of the vapours; store the container sealed when not being used. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and take a shower at the end of the work shift. Working clothes should be washed separately and stored in a separate place. In order to prevent long-term effects, periodic health controls should be carried out even if not established by the Law, including supplementary examinations which are deemed necessary according to the discretion of the occupational physician.

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09. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--------------------|
| Odour | Slight |
| Physical appearance | Creamy paste |
| Solubility in solvents | Partially miscible |
| Solubility in water | Miscible |
| Volatile substances % by volume (solvents) | N/D |
| Hazardous reactions | N/A |
| Viscosity | c.a. 8.000 mPas |
| Vapour density | 1 |
| Evaporation speed | < 1 |
| Comburent properties | N/A |
| Partition coefficient: n-octanol/water | N.A. |
| pH | 13,00 ± 0,50 |
| Boiling point | > 150°C |
| Flash point | N.A. |
| Explosive properties | N.A. |
| Vapour pressure | N.A. |
| Specific gravity | 1,38 ± 0,03 Kg/l |
| Solid content (by weight) | 54,00 ± 0,10% |
| VOC (Directive 2004/42/EC) : | < 1 % - 7 g/l |
| VOC (volatile carbon) : | < 1 % - 4 g/l |

10. STABILITY AND REACTIVITY

The product is stable in normal conditions of use and storage. In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

Propylene glycol: it is hygroscopic, stable at normal conditions; at high temperatures, it tends to oxidize yielding propionaldehyde as well as lactic and acetic acid.

11. TOXICOLOGICAL INFORMATION

Acute effects: stinging eyes. Symptoms may include rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the lower and upper respiratory tract and cause cough and respiratory disorders. At higher concentrations, it may also cause pulmonary edema. Contact with skin may cause irritation, erythema, dryness and chapped skin. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

12. ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

13. DISPOSAL CONSIDERATIONS

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14. TRANSPORT INFORMATIONS

This substance is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

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15. REGULATORY INFORMATION

Health hazard symbol



Xi

IRRITANT

R36/37/38
S2
S24/25
S26

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
KEEP OUT OF THE REACH OF CHILDREN.
AVOID CONTACT WITH EYES AND SKIN.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY
WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

S36/37

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments (directive 2006/8/EC and regulation n. 1907/EC).

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

DIRECTIVE 2004/42/EC

Paints for interior matt walls and ceilings (WB) (gloss $\leq 25@60^\circ$)

EU limit value (A/a): 75 g/l (2007); 30 g/l (2010)

This product contains at maximum: **10 g/l** of VOC

16. FURTHER INFORMATIONS

Text of -R- phrases quoted in section 3 of the sheet.

R36/37/38 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

GENERAL BIBLIOGRAPHY

1. Regulation (EC) N. 1907/2006
2. Regulation 2006/8/CE
3. Regulation 1999/45/CE and following adjustments (technical adjustment XXX);
4. Regulation 67/548/CEE and following amendments and adjustments;
5. Regulation 91/155/CEE and following amendments;
6. The Merck Index. - 10th Edition;
7. Handling Chemical Safety;
8. Niosh - Registry of Toxic Effects of Chemical Substances;
9. INRS - Fiche Toxicologique (toxicological sheet);
10. Patty - Industrial Hygiene and Toxicology;
11. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.