

MATERIAL SAFETY DATA SHEET - according to european directive 2006/8/EC
and Regulation n. 1907/2006



Manufactured by: HARPO spa – **Rialto** division 34123 Trieste - Italy
Tech. Sheet N°: 45A/F/RI
Product name: **RIALTO CARSO 1 e 2**
Revision nr. 4 dated: 01.10.2008

01. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

1.1 Identification of the substance or preparation:

Product name: Rialto Carso 1 e 2.

1.2 Use of the substance/preparation:

Intended use: Rialto Carso 1 e 2 is a perfect solution to give a special decorative effect to walls.

Chemical name and synonym: High built coating based on copolymer emulsion resins and sands.

1.3 Company Identification:

Name: HARPO spa.

Full address: Via Torino, 34

34123 - Trieste, Italy,

tel. +39 040 3186611, fax +39 0403186666

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

Product distribution by: Harpo spa

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

02. HAZARD IDENTIFICATION

This compound is not dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments (Directive 2006/8/CE). Nevertheless, this compound contains substances with a community workplace exposure limit that must be declared in section No. 3 and requires a safety data sheet containing all the information required under the Regulation (EC) 1907/2006 and subsequent amendments.

03. COMPOSITION/INFORMATION ON INGREDIENTS

Contains:

| Name | Concentration C | Classification |
|---|-----------------|----------------|
| Calcium carbonate | 40,0 – 60,0 % | - |
| Cas No 471-34-1 | | |
| CE No 207-439-9 | | |
| Substance with a community workplace exposure limit | | |
| Titanium dioxide | 0,0 – 1,0 % | - |
| Cas No 13463-67-7 | | |
| CE No 236-675-5 | | |
| Substance with a community workplace exposure limit | | |
| Propylene glycol | 1,0 – 3,500 % | - |
| Cas No 57-55-6 | | |
| CE No 200-338-0 | | |
| Substance with a community workplace exposure limit | | |

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.

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.

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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

Extinguish the sources of ignition or heat; cover the spillage with inert absorbent material. Collect as far as possible the resulting mass and discard the remainder by spraying water, if not contraindicated. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

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:

Titanium dioxide

- TLV TWA 10 mg/m³ ACGIH

Calcium carbonate/calcium and
magnesium carbonate

- TLV TWA 10 mg/m³ ACGIH

Propylene glycol 10 mg/m³ TWA/8h

- TLV OEL (IRL)

- TLV RV (LT) 7 mg/m³ TWA/8h

- TLV WEL (UK) 150 mg/m³ TWA/8h

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

8.2 Exposure controls:

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls.



Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

09. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--------------------|
| Odour | Slight |
| Physical appearance | Coloured paste |
| Solubility in solvents | Partially miscible |
| Solubility in water | Miscible |
| Volatile substances % by volume (solvents) | 1,00 % |
| Viscosity | 18.500 ± 500 mPas |
| Vapour density | 1 |
| Evaporation speed | < 1 |
| Comburent properties | N.A. |
| Partition coefficient: | N.A. |

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| | |
|-----------------------------|------------------|
| n-octanol/water | |
| pH | 7,50 ± 0,20 |
| Boiling point | > 150°C |
| Flash point | N.A. |
| Explosive properties | N.A. |
| Vapour pressure | N.A. |
| Specific gravity | 1,70 ± 0,20 Kg/l |
| Solid content (by weight) | 84,00 ± 2,00% |
| VOC (Directive 2004/42/EC): | < 4 % - 35 g/l |
| VOC (volatile carbon): | < 2 % - 25 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.

11. TOXICOLOGICAL INFORMATION

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This preparate may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

CALCIUM CARBONATE: oral LD50 (mg/kg) 6450 (RAT)

TITANIUM DIOXIDE: oral LD50 (mg/kg) > 10000 (RAT)

1,2-PROPANEDIOL: oral LD50 (mg/kg) 20800 (RAT) ; dermal LD50 (mg/kg) 20800 (RAT)

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.

15. REGULATORY INFORMATION

Warning symbols: None

Hazard sentences (R): None

Caution recommendations (S): None

This product is not subject to hazard labeling under the 67/548/EEC and 1999/45/EC directives and following amendments and adjustments (directive 2006/8/EC and regulation n. 1907/EC).

DIRECTIVE 2004/42/EC

Paint for exterior walls of mineral substrate (WB)

EU limit value for this product (A/c): 75 g/l (2007); 40 g/l (2010)

This product contains at maximum: **38 g/l** of VOC

16. FURTHER INFORMATIONS

None.

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GENERAL BIBLIOGRAPHY

1. Regulation 2006/8/CE
2. Regulation 1999/45/CE and following amendments (technical adjustment XXIX);
3. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
4. Regulation 91/155/CEE and following amendments;
5. Regulation (EC) 1907/2006 and subsequent 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.

Changes to previous review
The following sections were modified:
01/ 02 / 03 / 09 / 15 / 16