

Manufactured by: Harpo spa rialto division  
 Product n°.: 1/P/RI  
 Product name: rialto finish  
 Revision: 06.07.2017 revision nr. 9



**Resin based quartz finishing coat for exteriors**

**01. IDENTIFICATION OF THE PREPARATION AND THE COMPANY**

**1.1 Identification of the substance or preparation:**

**Product name:** rialto finish

**1.2. Relevant identified uses of the substance or mixture and uses advised against:**

Resin based quartz finishing coat for exteriors. Professional use only – construction area.

**Chemical name and synonym:**

It is a smooth coating with matt effect. It is made up of terpolymer elastomeric resin, different-sized hard aggregates such as mica, silica, quartz and granite, selected pigments and a special additives.

**1.3 Company Identification:**

**Name:** HARPO spa.

**Full address:** Via Torino, 34

**District and Country:** 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. dott. Maurizio Crasso – rialto division)

**1.4 Telephone number for urgent inquiries:** + 39 040 3186611 (timetable: 8.00 – 16.30)

**02. HAZARD IDENTIFICATION**

**2.1 Substance/Preparation Classification.**

This preparation is no dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments (Directive 2006/8/CE and regulation 1907/EC). Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

**2.2 Label element.**

HAZARD CLASS AND CATEGORY CODES : -

Pictograms and signal words: -

HAZARD STATEMENT CODES: -

EUH210: safety data sheet available on request.

**2.3 Other information.**

No additional risks have been identified.

The substances is not among those identified as a PBT or vPvB.

**03. COMPOSITION/INFORMATION ON INGREDIENTS**

Identification	EC N°	CAS N°	Reach N°	Conc. %.	Classification 1272/2008 (CLP)
Quartz	238-878-4	14808-60-7	Esente secondo l'allegato V	8 - 9,9	STOT RE 1 H372
Calcium and magnesium carbonate	240-440-2	16389-88-1	Esente secondo l'allegato V	5 – 10	-
Mica	310-127-6	12001-26-2	Esente secondo l'allegato V	1 – 3	-
Clhorite	215-285-9	1318-59-8	Esente secondo l'allegato V	1 – 3	-

Note: Upper limit is not included into the range

**04. FIRST – AID MEASURES****4.1. Description of first aid measures.**

**EYES:** Remove contact lenses, if present Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

**INGESTION:** Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

**INHALATION:** Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

**4.2. Most important symptoms and effects, both acute and delayed.**

For symptoms and effects caused by the contained substances, see chap. 11.

**4.3. Indication of any immediate medical attention and special treatment needed.**

Information not available.

**05. FIRE – FIGHTING MEASURES****5.1. Extinguishing media.****SUITABLE EXTINGUISHING EQUIPMENT**

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

**UNSUITABLE EXTINGUISHING EQUIPMENT**

None in particular.

**5.2. Special hazards arising from the substance or mixture.****HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

Do not breathe combustion products.

**5.3. Advice for firefighters.****GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

**06. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:**

The occupants must be removed and there should be well ventilated area. Adequate ventilation should be provided. Avoid contact with eyes and skin. Wear protective clothing.

**6.2 Environmental precautions:**

Stop the material spillage if safe to do so.

**6.3 The containment and cleaning methods and material:**

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

**6.4 Reference to other sections:**

Refer to section 8 and section 13.

**07. HANDLING AND STORAGE****7.1. Precautions for safe handling.**

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

**7.2. Conditions for safe storage, including any incompatibilities.**

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

**7.3. Specific end use(s).**

Information not available.

**08. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Exposure limit values:**

Calcium and magnesium

carbonate/Calcium carbonate		
- TLV TWA	10	mg/m <sup>3</sup>
Quartz		
- TLV TWA (8 ore)	10	mg/m <sup>3</sup>

### 8.2 Exposure controls:

DPI not necessary – no dangerous good, but 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

### 9.1 The basic physical and chemical properties relevant information:

Odour	ND
Physical appearance	Creamy
Solubility in solvents	Partially miscible
Solubility in water	Miscible
Volatile substances % by volume (solvents)	N/A
Hazardous reactions	N/A
Viscosity	8.000 ± 500 mPas
Vapour density	N/A
Evaporation speed	N/A
Comburent properties	N/A
Partition coefficient: n-octanol/water	N/A
pH	7,5 ± 0,20
Boiling point	> 150°C
Flash point	N.A.
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,48 ± 0,02 Kg/l

### 9.2 Other information

VOC (Directive 2004/42/CE) :	< 2,0% - 29 g/l
VOC (volatile carbon) :	< 1,0% - 14 g/l

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

1,2-PROPANEDIOL: it is hygroscopic and stable under normal conditions; at high temperatures it tends to oxidate to form propionaldehyde and lactic and acetic acid.

CALCIUM CARBONATE: decomposes at temperatures above 800°C.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

1,2-PROPANEDIOL: can react dangerously with: acid chlorides, acid anhydrides and oxidising agents.

### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

### 10.5. Incompatible materials.

CALCIUM CARBONATE: acids.

### 10.6. Hazardous decomposition products.

1,2-PROPANEDIOL: carbon oxides.

CALCIUM CARBONATE: calcium oxides, carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Toxicological information:

According to currently available data, this product has not yet produced health damages. Anyway, it must be

handled according to good industrial practices.

#### **11.1. Information on toxicological effects.**

Calcium carbonate: oral LD50 (mg/kg) 6450 (rat)

Propilenglycol: oral LD50 (mg/kg) 20800 (rat) ; skin 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.

### **12.1 Toxicity:**

No data available.

### **12.2 Persistence and degradability:**

No data available.

### **12.3 Bioaccumulative potential:**

No data available.

### **12.4 Mobility in soil:**

No data available.

### **12.5 The PBT and vPvB assessment results:**

No data available.

### **12.6 Other adverse effects:**

No data available.

## **13. DISPOSAL CONSIDERATIONS**

### **13.1 Disposal methods:**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

### **CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **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 **14.1. UN number.**

Not applicable.

### **14.2. UN proper shipping name.**

Not applicable.

### **14.3. Transport hazard class(es).**

Not applicable.

### **14.4. Packing group.**

Not applicable.

### **14.5. Environmental hazards.**

Not applicable.

### **14.6. Special precautions for user.**

Not applicable.

### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code.**

Information not relevant.

## **15. REGULATORY INFORMATION**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

None.

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment.**

No chemical safety assessment has been processed for the mixture and the substances it contains.

**DIRECTIVE 2004/42/EC**

Paint for exterior walls of mineral substrate (WB)

EU limit value for this product (A/c): 40 g/l

This product contains at maximum: 30 g/l of VOC

**16. FURTHER INFORMATIONS**

Text of - H - phrases quoted in section 3 of the sheet:

H372: May cause damage to organs through prolonged or repeated exposure

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as Reach Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

**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. Regulation (EC) 1272/2008 (CLP)
  7. Regulation (EC) 790/2009 (I Atp. CLP)
  8. Regulation (EC) 453/2010
  9. The Merck Index. Ed. 10
  10. Handling Chemical Safety
  11. Niosh - Registry of Toxic Effects of Chemical Substances
  12. INRS - Fiche Toxicologique
  13. Patty - Industrial Hygiene and Toxicology
  14. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989

**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:  
02/03/14



