

Manufactured by: Harpo spa rialto division  
 Product n°.: 50/S/RI  
 Product name: **rialto evolution**  
 Revision: 06.07.2017 rev. 9



**Interior wall stucco**

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

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

**Product name:** rialto evolution

**1.2 Use of the substance/preparation:**

**Intended use:** It is a coating with a glazed spatula effect, which is either a glossy or opaque finish depending on the technique used for application  
 Professional use only – construction area.

**Chemical name and synonym:** It is made from selected aggregates in the correct granulometric proportion, natural earth, and oxides resistant to UV rays and comprises alkali-resistant acrylic resin binder.

**1.3 Company Identification:**

**Name:** HARPO spa – divisione Rialto

**Full address:** Via Torino, 34

**District and Country:** 34123 Trieste (TS), Italy

Tel. + 39 0403186611, fax. + 39 0403186666

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

**1.4 Telephone number for urgent inquiries:** +39 040 3186611

**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). This prepareate requires a safety data sheet according to the regulation 1907/EC and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

**Danger Identification:**

**2.2 Label element.**

**Regulation 1272/EC (CLP):**

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 substance is not among those identified as a PBT or vPvB.

**03. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances.**

-

**3.2. Mixtures.**

Contains:

Identification	EC N°	CAS N°	Reach N°	Conc. %.	Classification 67/548/CEE	Classification 1272/2008 (CLP)
Calcium carbonate	-	1317-65-3	Exempt annex V	65-75	-	-

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

**04. FIRST – AID MEASURES****4.1 First Aid measures – description:**

**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.

**4.2 The most important – acute and delayed – symptoms and effect: -**

**4.3 The required immediate medical attention and special treatment:** In all cases of doubt or if symptoms persist, resorting to medical care. In case of contact with eyes or prolonged contact call a poison center.

**05. FIRE – FIGHTING MEASURES**

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

**5.1 Suitable extinguishing media:**

Powder, carbon dioxide, foam, water spray.

**Unsuitable extinguishing media:** do not use water.

**5.2 The substances or mixture from special hazard: -**

**5.3 Advice for fire:** wear the fire equipment all the time. Avoid dust.

**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:**

Collect the largest amount of the solid product with mechanical tools. Avoid the formation of dust spraying the product with moist cleansing agents or 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. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

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

Information not available. See section 1.2.

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

Calcium and magnesium carbonate

- TLV TWA	10	mg/m <sup>3</sup>	ACGIH
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- The data refer to the substances and not to the mixture.

**8.2 Exposure controls:**

No dangerous material. Safety devices are not required; however, their use is always recommended. The use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

**HAND PROTECTION**

Not required.

**SKIN PROTECTION**

Not required.

**EYE PROTECTION**

Not required.

**RESPIRATORY PROTECTION**

Not required.

**ENVIRONMENTAL EXPOSURE CONTROLS.**

The emissions generated by manufacturing processes, including those generated by ventilation equipment,

should be checked to ensure compliance with environmental standards.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

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

Odor	Slight
Physical appearance	Stucco
Solubility in solvents	Partially miscible
Solubility in water	Miscible
Volatile substances % by volume (solvents)	1%
Hazardous reactions	N/A
Viscosity	35.000 ± 3.000 mPas
Vapor density	1
Evaporation speed	< 1
Comburent properties	N.A.
Partition coefficient: n-octanol / water	N.A.
pH	8,00 ± 0,50
Boiling point	> 150 ° C
Flash point	N.A.
Explosive properties	N.A.
Vapor pressure	N.A.
Specific gravity	1,60 ± 0,05 Kg/l
Solid content (by weight)	70,00 ± 1,00 %

### 9.2 Other information

VOC (Directive 2004/42/CE):	< 2 %
VOC (volatile carbon) :	< 1 %

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

In the event of thermal decomposition or fire, vapors potentially dangerous to health may be released.

### 10.2 Chemical stability:

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

### 10.3 Possibility of hazardous reactions:

Decomposition product: carbon dioxide, carbon monoxide and various toxic products.

### 10.4 Avoid - conditions: -

### 10.5 Incompatibility: -

### 10.6 Decomposition products:

In the event of thermal decomposition or fire, vapors potentially dangerous to health may be released.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Toxicological information:

Acute effects: vapour inhalation may irritate the lower and upper respiratory tract and cause cough and respiratory disorders. At high concentrations, it may also cause pulmonary edema. Contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

CALCIUM CARBONATE: ORAL Id50 (mg/kg) 6450 (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.

Calcium hydroxide: it presents a low mobility.

**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:**

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. Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national 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 International Air Transport Association (IATA) regulations.

**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 For the substance or mixture of safety, health and environmental regulations/laws:**

Seveso – category: -

Restriction: -

Authorization – Annex XIV Reach: none-

Substances in candidate list: none

Substances in Annex XVII: none

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

**15.2 Safety chemical evaluation: -****DIRECTIVE 2004/42/EC:**

Paints for interior glossy walls and ceilings (WB) (gloss &gt; 25@60°)

EU limit value (A/b): 100 g/l

This product contains at maximum: 20 g/l of VOC

**16. FURTHER INFORMATIONS**

Text of -H- phrases quoted in section 2 and in section 3 of the sheet: -

**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:  
01 / 02 / 03 / 04 / 05/ 06/ 07/ 08/ 09/ 10/ 11/ 12/ 13/ 14/ 15/ 16