

Manufactured by: Harpo spa rialto division  
 Product n°.: 84/P/RI  
 Product name: rialto primer one  
 Revision: 06.07.2017 revision nr. 2

**High permeable water-based finish for interiors****01. IDENTIFICATION OF THE PREPARATION AND THE COMPANY****1.1 Identification of the substance or preparation:**

**Product name:** Rialto Primer One.  
**Chemical name and synonym:** Rialto Primer One is a white hiding priming coat based on resins, pigments, selected mineral and special additives.

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

**Intended use:** Water – based priming coat.

**1.3 Company Identification:**

**Name:** HARPO spa.  
**Full address:** Via Torino, 34  
 34123 - Trieste, Italy,  
**District and Country:** 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 – division manager)

**1.4 Telephone number for urgent inquiries:** + 39 040 31866 11 (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.****Regulation 1272/EC (CLP):**

HAZARD CLASS AND CATEGORY CODES : -

Pictograms and signal words: -

HAZARD STATEMENT CODES: H412 Harmful to aquatic life with long lasting effect, EUH208 contains oit, may cause an allergical reaction.

P102: Keep out of reach of children.

P280: Wear protective gloves/protective clothing/eye protection/face protection

**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**

Nome sostanza	Num. EC	Num. CAS	Num. registrazione	Conc. %	Class. 1272/2008 (CLP)
Calcium carbonate	-	1317-64-3	Exempted Annex V	19 – 23	-
Calcium carbonate	207-439-9	471-34-1	Exempted Annex V	15 – 18	-
Titanium dioxide	236-675-5	13463-67-7	01-2119489379-17-XXXX	6 – 11	-
Propylene glycol	200-338-0	57-55-6	01-2119456809-23-XXXX	1 – 3,5	-

2-octyl-2H- isothiazol-3- one	247- 671-3	13463- 41-7	BPD	0 - 0,006	Acute Tox. 3 H311 Acute Tox. 3 H331 Skin Corr. 1B H314 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Acute Tox. 4 H302 Skin Sens. 1 H317
Diethylen-glicol	203- 872-2	111-46-6	01- 2119457857- 21	0 - 0,5	STOT RE 2 H373, Acute Tox. 4 H302

#### 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 15 minutes, opening the eyelids fully. If problem persists, seek medical advice

**SKIN:** Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

**INHALATION:** Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

**INGESTION:** Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

##### 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.**

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

##### 6.2. **Environmental precautions.**

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

##### 6.3. **Methods and material for containment and cleaning up.**

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 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>

Titanium dioxide

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

Propylene glycol

- WEEL TWA aerosol 10 mg/m<sup>3</sup>

#### 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.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (NIOSH Approved): If the exposure limit is exceeded and engineering controls are not feasible, a full face piece particulate respirator (NIOSH type N100 filters) may be worn for up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

### 09. PHYSICAL AND CHEMICAL PROPERTIES

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

Odour	ND
Physical appearance	liquid
Solubility in solvents	Partially miscible
Solubility in water	Miscible
Volatile substances % by volume (solvents)	N/A
Hazardous reactions	N/A
Viscosity	12.000 ± 500 mPas (Non-Newtonian product)
Vapour density	N/A

Evaporation speed	N/A
Comburent properties	N/A
Partition coefficient: n-octanol/water	N/A
pH	8,0 ± 0,2
Boiling point	> 150°C
Flash point	N.A.
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,55 ± 0,05 Kg/l

<b>9.2 Other information</b>	< 1% - 5 g/l
VOC (Directive 2004/42/CE):	
VOC (volatile carbon) :	< 2% - max 25 g/l
Dry residue:	65 ± 0,5 % by weight

## **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.**

No data available.

## **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.

### **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. 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.

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.

Information not available.

**15.2. Chemical safety assessment.**

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

DIRECTIVE 2004/42/EC

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

EU limit value (A/a): 30 g/l

This product contains at maximum: 25 g/l of VOC

### **16. FURTHER INFORMATIONS**

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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