

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°: 84/P/RI
Product name: **RIALTO PRIMER ONE**
Revision nr. 1 dated: 01.10.2008

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 additives and a broad - spectrum anti-mould agent.

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
District and Country: 34123 Trieste (TS)
Italy
Tel. +39 040 3186611
Fax +39 0403186666

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

Product distribution by: Harpo spa

1.4 Telephone number for urgent inquiries: +39 040 2697211 (timetable: 8.00 – 16.30)

02. HAZARD IDENTIFICATION

This preparate is not dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments (Directive 2006/8/CE). Nevertheless, this preparate contains substances in concentrations 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

Name	Concentration C	Classification
CALCIUM AND MAGNESIUM CARBONATE Cas No 16389-88-1 CE No 240-440-2 Substance with a community workplace exposure limit	19,50 – 21 %	-
CALCIUM CARBONATE Cas No 471-34-1	16,5 – 18 %	-
TITANIUM DIOXIDE Cas No 13463-67-7 CE No 236-675-5 Substance with a community workplace exposure limit	9 – 10,5 %	-
		Xi, R43, N R50/53

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.

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.

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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 leakage with earth or inert material. Remove most of the product and then rinse the involved area by jet of water.

07. HANDLING AND STORAGE

Store in a wellventilated place keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition; do not spray in the vicinity of flames or incandescent materials.

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.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values:

Calcium, magnesium carbonate			
- TLV TWA	10	mg/m ³	ACGIH
Calcium carbonate			
- TLV TWA	10	mg/m ³	ACGIH
Titanium dioxide			
- TLV TWA	10	mg/m ³	ACGIH
Propylene glycol			
- TLV OEL (IRL)	10	mg/m ³	TWA/8h
- TLV RV (LT)	7	mg/m ³	TWA/8h
- TLV WEL (UK)	150	ppm	TWA/8h

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

8.2 Exposure controls:

Follow the good industrial hygiene practices adopting suitable individual protective measures such as gloves and overalls. Do not eat or smoke while handling the product. Wash hands before eating and at the end of the work shift. Periodic health controls are recommended at the discretion of the doctor.

09. PHYSICAL AND CHEMICAL PROPERTIES

Odour	Slight
Physical appearance	Creamy
Solubility in solvents	Partially miscible
Solubility in water	Miscible
Volatile substances % by volume (solvents)	0,5 %
Hazardous reactions	N/A
Viscosity	c.a. 12.000 mPas

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Vapour density	1
Evaporation speed	< 1
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	8,00 ± 0,20
Boiling point	> 150 °C
Flash point	N.A.
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,55 ± 0,05 Kg/l
Solid content (by weight)	65,00 ± 0,50 %
VOC (Directive 1999/13/EC) :	1,35 % - 20,96 g/litre of preparation
VOC (volatile carbon) :	0,62 % - 9,65 g/litre of preparation

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.

Calcium carbonate: avoid contact with acids.

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

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.

FOSSIL 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

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This product is not subject to hazard labeling under the 67/548/EEC and 1999/45/EC directives and following amendments and adjustments.

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/CE regulation is respected.

DIRECTIVE 2004/42/EC

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

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

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

16. FURTHER INFORMATIONS

None.

GENERAL BIBLIOGRAPHY

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

Changes to previous review
The following sections were modified:
01/ 02 / 03 / 04 / 08 / 09 / 11 / 15 / 16