

MATERIAL SAFETY DATA SHEET - according to european directive 2006/8/EC and regulation (EC) 1907/2006



Manufactured by: HARPO spa – **Rialto** division 34123 Trieste - Italy
Tech. Sheet N°: 49A/F/RI
Product name: **RIALTO ROLLER**
Revision nr. 5 dated: 01.10.2008

01. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

1.1 Identification of the substance or preparation:

Product name: Rialto Roller.

1.2 Use of the substance/preparation:

Intended use: Decorative coating for interiors and exteriors.
Chemical name and synonym: Acrylic finishing coating based on copolymer resin, colored fine grain marble chippings, pigments UV resistant.

1.3 Company Identification:

Name: HARPO spa.
Full address: Via Torino, 34
34123 - Trieste, Italy,
tel. +39 040 3186611, fax +39 0403186666
District and Country:
E-mail address of the competent person responsible for the Safety Data Sheet: rialto@rialto-colors.com (rif. Dr. Renni – 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

Substance/Preparation Classification.

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments (XXX ATP). This compound requires a safety data sheet according to the regulation 1907/2006 and the directive 2006/8/EC and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbol: Xn
Phrases R: 43 - 48/20 - 52/53

Danger identification.

May cause sensitisation by skin contact.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

03. COMPOSITION/INFORMATION ON INGREDIENTS

Denominazione	Concentrazione (C)	Classificazione
5-chloro-2-methyl-2H-isothiazol-3-one /2-methyl-2H-isothiazol-3-one (3 :1) N°Cas 55965-84-9 N°Index 613-167-00-5	0,0002 – 0,0004%	T R23/24/25 C R 34 Xi R 43 N R 50/53
Quartz Cas No 14808-60-7 CE No 238-878-4	65,00 - 70,00 %	Xn R48/20
Propylene glycol Cas No 57-55-6 CE No 200-338-0	1,00 – 3,50 %	
Substance with a community workplace exposure limit		

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.

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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, seek medical advice. Never give anything by mouth to an unconscious person.

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

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.

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 carbonate			
- TLV TWA	10	mg/m ³	ACGIH
Quartz			
- TLV TWA	0,05	mg/m ³	ACGIH
Glicole propilenico			
- TLV OEL (IRL)	10	mg/m ³	TWA/8h
- TLV RV (LT)	7	mg/m ³	TWA/8h
- TLV WEL (IUK)	150	mg/m ³	TWA/8h

8.2 Exposure controls:

Follow the good industrial hygiene practices adopting suitable individual protective measures such as masks, safety goggles, impermeable 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.



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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 %
Hazardous reactions	N/A
Viscosity	15.200 ± 200 mPas
Vapour density	1
Evaporation speed	< 1
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.D.
pH	c.a. 7,50
Boiling point	> 150 °C
Flash point	N.A.
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,70 ± 0,10 Kg/l
Solid content (by weight)	75,00 ± 0,20 %
VOC (directive 2004/42/CE)	< 1,00 % - 15 g/l
VOC (volatile carbon)	< 1,00 % - 8 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. INFORMAZIONI TOSSICOLOGICHE

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurves, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase. This product may cause functional disorders or morphological mutations after repeated or prolonged exposure by inhalation of a quantity of 0.25 mg/l/6h/day or lower.

CALCIUM AND MAGNESIUM CARBONATE: LD50 oral (mg/kg) 6450 (rat)

PROPYLENE GLYCOL: LD50 oral (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 incenerator. 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.

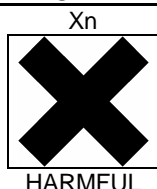
14. TRANSPORT INFORMATIONS

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.

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15. REGULATORY INFORMATION



- R43 MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R48/20 HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE THROUGH INHALATION.
R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECT IN THE AQUATIC ENVIRONMENT.
S2 KEEP OUT OF REACH OF CHILDREN.
S9 KEEP CONTAINER IN A WELL-VENTILATED PLACE.
S13 KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
S22 DO NOT BREATHE DUST
S24 AVOID CONTACT WITH SKIN.
S37 IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.
S38 WEAR SUITABLE GLOVES.

Contains:

Crystalline silica, terbutryn and 5-chloro-2-methyl-2H-isothiazol-3-one/2-methyl-2H-isothiazol-3-one (3:1)
Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments (XXX ATP).

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

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

Text of -R- phrases quoted in section 3 of the sheet.

- R23/24/25 TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
R34 CAUSES BURNS.
R43 MAY CAUSE SENSITIZATION BY SKIN CONTACT.
HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE
R48/20 THROUGH INHALATION.
R50/53 VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECT IN THE AQUATIC ENVIRONMENT

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments (directive 2006/8/CE);
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation n. 1907/EC.
4. Regulation 91/155/CEE and following amendments;
5. The Merck Index. - 10th Edition;
6. Handling Chemical Safety;
7. Niosh - Registry of Toxic Effects of Chemical Substances;

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RIALTO ROLLER
01.10.2008

- 8. INRS - Fiche Toxicologique (toxicological sheet);
- 9. Patty - Industrial Hygiene and Toxicology;
- 10. 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 / 10 / 11 / 15 / 16