

MATERIAL SAFETY DATA SHEET - according to european directive 2006/8/EC and Regulation n. 1907/2006



Manufactured by: HARPO spa – **Rialto** division 34123 Trieste - Italy
Tech. Sheet N°: 14/F/RI
Product name: **RIALTO SATINAL**
Revision nr. 6 dated: 01.10.2008

01. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

1.1 Identification of the substance or preparation:

Product name: Rialto Satinal.

1.2 Use of the substance/preparation:

Intended use: Smoothing plaster for cementitious mortars.

Chemical name and synonym: Micronized mineral sands with high hardness, synthetic binder and additives.

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. 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

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

Denominazione	Concentrazione (C)	Classificazione
Diatomaceous earth	4,0 – 6,0%	Xn R20
N°Cas 68855-54-9		Xn R48
CALCIUM CARBONATE	55 – 60 %	-
Cas No 471-34-1		
CE No 207-439-9		

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.

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, 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.

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Use traditional means of extinction: carbon dioxide, foam and water.

06. **ACCIDENTAL RELEASE MEASURES**

Cover the spillage with inert absorbent material. Collect as far as possible the resulting mass and discard the remainder by spraying water, if not contraindicated.

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.

07. **HANDLING AND STORAGE**

Store in a well ventilated 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:

Name	Type	State	mg/m ³	ppm	TWA/8h mg/m ³	STEL/15min ppm
CALCIUM CARBONATE	TLV-ACGIH		10			
	TLV-ACGIH		10			
	OEL	IRL	4			

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 overall.



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**

Odour	Slight
Physical appearance	Paste
Solubility in solvents	Partially miscible
Solubility in water	Miscible
Volatile substances % by volume (solvents)	1,0 %
Hazardous reactions	N/A
Viscosity	170.000 ± 10.000 mPas
Vapour density	1
Evaporation speed	< 1
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	7,50 ± 0,20
Boiling point	> 150 °C
Flash point	N.A.
Explosive properties	N.A.



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Vapour pressure N.A.
Specific gravity 1,80 ± 0,05 Kg/l
Solid content (by weight) 74,50 ± 0,50 %

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. 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. Calcium carbonate: avoid contact with acids.

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.

CALCIUM CARBONATE: oral LD50 (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.

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.

15. REGULATORY INFORMATION

Warning symbols: None
Hazard sentences (R): None
Caution recommendations (S): None

This product is not subject to hazard labeling under the 67/548/EEC and 1999/45/EC directives and following amendments and adjustments (directive 2006/8/EC and regulation 1907/EC).

DIRECTIVE 2004/42/EC: this product is not included.

16. FURTHER INFORMATIONS

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

R20 Harmful by inhalation.
R48 Danger of serious damage to health by prolonged exposure.

GENERAL BIBLIOGRAPHY

1. Regulation 2006/8/CE
2. Regulation 1999/45/CE and following amendments (technical adjustment XXX);
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. The Merck Index. - 10th Edition;

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- 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 / 15 / 16