



Manufactured by: HARPO spa – **Rialto** division 34123 Trieste - Italy
 Tech. Sheet N°: 07/P/RI
 Product name: **RIALTO STABILIZER**
 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 Stabilizer.

1.2 Use of the substance/preparation:

Intended use: Rialto Stabilizer is a perfect solution to consolidate friable surfaces and it can be used for internal and external walls.

Chemical name and synonym: Solvent based holding primer.

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

2.1 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:

10 – 20/21/22 – 36/37/38 – 65/66

2.2 Danger identification.

Because of its chemical-physical features, this product is graded as flammable (flash-point 21 °C or higher and 55 °C or lower).

HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED / REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

03. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Concentr.(C)	Classification
NAPHTHA (PETROL.)	35 – 40 %	R10
HYDROTREATED HEAVY		Xn R65
N°Cas 64742-48-9		Nota H, P
N°CE 265-150-3		
N°Index 649-327-00-6		
XYLENE	30 – 35 %	R10
N°Cas 1330 – 20 - 7		Xn R20/21
N°CE 215 – 535 – 7		Xi R38
N°Index 601 – 022 – 00 - 9		Nota C


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



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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, seek medical advice. Never give anything by mouth to an unconscious person.
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05. FIRE FIGHTING MEASURES

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. 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. Extinguishing measures: CO2, foam, AFFF, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage. Equipment: wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

06. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Cover with inert absorbent material. Collect spillages by means of sparkproof equipment. Use water only to remove residuals, so as not to run the risk of enter the sewer. Do not let the product dry. Contaminated clothes must be left to soak in water before washing. In order to choose safety measures and protection equipment, please see the other sections of this sheet. Spillage in waters: remove the liquid from the surface with flameproof pumps or manual pumps or suitable absorbent material. Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law.

07. HANDLING AND STORAGE

Avoid the accumulation of electrostatic charges. Store the containers sealed and in a wellventilated place. Vapours may ignite with explosion, it is therefore necessary to avoid accumulation keeping the windows and doors open, ensuring crossventilation. Without adequate ventilation, the vapours may accumulate at the bottom and ignite at a distance, if triggered off with the risk of flashback. Keep far away from sources of heat, sparks and naked flames. Do not smoke, use matches or lighters. Keep the containers earthed while decanting and wear antistatic boots. Vigorous stirring and flow through the pipings and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product. In order to avoid the risk of fire outbreak and explosion never use compressed air during movement.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values:

NAPHTA (PETROL.) HYDROTREATED
HEAVY

- TLV TWA 1.200 mg/m³ ACGIH

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XYLENE			
- TLV TWA	434	mg/m ³	ACGIH Pelle
- TLV STEL	651	mg/m ³	ACGIH Pelle
- OEL EU	221	mg/m ³	

- 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 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.

09. PHYSICAL AND CHEMICAL PROPERTIES

Odour	White spirit
Physical appearance	Colourless liquid
Solubility in solvents	Soluble
Solubility in water	Insoluble
Volatile substances % by volume (solvents)	86,00% max
Viscosity	90 ± 30 mPas
Vapour density	< 1
Evaporation speed	> 1
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	> 140 °C
Flash point	27 °C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	c.a. 0,90 Kg/l
VOC (directive 2004/42/CE)	94 % - 649,42 g/l
VOC (volatile carbon)	79 % - 590 g/l

10. STABILITY AND REACTIVITY

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbonoxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

11. TOXICOLOGICAL INFORMATION

Acute effects: inhalation or cutaneous absorption of this product are harmful. This product may irritate mucosas, the upper respiratory tract, and eyes. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness. In the most serious cases, inhalation of this product may cause larynx and bronchial tube edema and irritation, chemical pneumonia and pulmonary edema. Upon contact with skin, this product may irritate it, causing an increase in skin temperature, swelling and itchiness. Ingestion of even small amounts of this product may cause health problems (stomach pain, nausea, sickness, diarrhoea, etc.). The introduction



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of even small quantities of this liquid into the respiratory system during ingestion or vomit may cause bronchopneumonia and pulmonary edema. REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING. Xylene: has a toxic effect on the CNS (encephalopathies). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

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

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packings or in packings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR: 3,III UN:1993
 Label: 3
 Nr. Kemler: 30
 Proper Shipping Name: Flammable liquid n.o.s. (naphtha, petrol., hydrotreated heavy)
 Disposizione speciale: 274



Carriage by sea (shipping):

IMO class: 3 UN:1993, Marine Pollutant
 Packing Group: III
 EMS: F-E, S-E
 Proper Shipping Name: Flammable liquid n.o.s. (naphtha, petrol., hydrotreated heavy)



Transport by air:

IATA: 3 UN:1993
 Packing Group: III
 Special provision: A3
 Label: 3
 Cargo:
 Packaging instructions: 310 Maximum quantity: 220 L
 Pass.:
 Packaging instructions: 309 Maximum quantity: 60 L
 Limited quantity:

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HARPO spa – **Rialto** division 34123 Trieste - Italy

Tech. Sheet N°:

07/P/RI

Product name:

RIALTO STABILIZER

Revision nr. 5 dated:

01.10.2008

Packaging instructions:

Y309

Maximum quantity:

10 L

**15. REGULATORY INFORMATION****Xn****HARMFUL**

R10

FLAMMABLE.

R20/21/22

HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

R36/37/38

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

R65/66

HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED. REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

S16

KEEP AWAY FROM FLAMES AND SPARKS.

S23

DO NOT BREATHE VAPOURS.

S24

AVOID CONTACT WITH SKIN.

S36/37

WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

S62

IF SWALLOWED, DO NOT INDUCE VOMITING: SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

Contains:

NAPHTHA (PETROL.) HYDROTREATED HEAVY, XYLENE.

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments (Directive 2006/8/EC and regulation n. 1907/EC)

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

DIRECTIVE 2004/42/EC**Binding primers (WS)**

EU limit value (A/h): 750 g/l (2007); 750 g/l (2010)

This product contains at maximum: **680 g/l** of VOC**16. FURTHER INFORMATIONS**

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

R10

FLAMMABLE.

R20/21

HARMFUL: BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

R38

IRRITATING TO SKIN.

R65

HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.



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GENERAL BIBLIOGRAPHY

1. Regulation 2006/8/CE and following amendments;
2. Regulation 1999/45/CE and following amendments (XXI adjustment);
3. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
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;
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:
01/02/03/04/08/09/14/15/16