



Manufactured by: HARPO spa – **Rialto** division 34123 Trieste (Italy)  
Tech. Sheet N°: 36/P/RI  
Product name: **RIALTO UNIVERSAL**  
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 Universal.**1.2 Use of the substance/preparation:****Intended use:** Rialto Universal is a multi-ground antirust primer.**Chemical name and synonym:** This product is based on alkyd resins and aromatic solvents.**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****2.1 Substance/Preparation Classification.**

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

**Danger Symbols:** Xi, N**Phrases R:**

10 – 37 – 51/53

**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 ).

IRRITATING TO RESPIRATORY SYSTEM.

TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

**03. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Name</b>	<b>Concentr.(C)</b>	<b>Classification</b>	
<b>XYLENE</b>	5,00 – 10,00%	R10	
N°Cas 1330-20-7		Xn	R20/21
N°CE 215-535-7		Xi	R38
N°Index 601-022-00-9			
<b>ETHYLBENZENE</b>	1,00 – 5,00 %	F	R11
N°Cas 100-41-4		Xn	R20
N°CE 202-849-4			
N°Index 601-023-00-4			
<b>MESITYLENE</b>	1,00 - 5,00	R10	
N°Cas 108-67-8		Xi	R37
N°CE 203-604-4		N	R51/53
N°Index 601-025-00-5			
<b>1,2,4-TRIMETHYLBENZENE</b>	5,00 - 10,00 %	R10	
N°Cas 95-63-6		Xn	R20
N°CE 202-436-9		Xi	R36/37/38
N°Index 601-043-00-3		N	R51/53



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<b>SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC</b>	10,00 - 15,00 %	Xn	R65
N°Cas 64742-95-6 N°CE 265-199-0 N°Index 649-356-00-4			
<b>PROPYLBENZENE - ISOPROPYLBENZENE</b>	1,00 – 5,00 %	R10	
N°Cas 103-65-1 N°CE 203-132-9 N°Index 601-024-00-X		Xn Xi N	R65 R37 R51/53
<b>ZINC PHOSPHATE</b>	5,00 – 10,00 %	N	R50/53
N°Cas 7779-90-0 N°CE 231-944-3			

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, 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**

Limit leakages with earth or inert material. Remove most of the product and then rinse the involved area by jets of water.

**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

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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:**

Description	Type	Country	TWA/8h		STEL/15min	
			mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
XYLENE	TLV-ACGIH		434		651	Pelle
ETHYLBENZENE	OEL	EU	221			Pelle
	TLV-ACGIH		434		543	Pelle
MESITYLENE	OEL	EU	442			Pelle
	TLV-ACGIH			25		Pelle
1,2,4-TRIMETHYLBENZENE	OEL	EU	100	20		Pelle
	TLV-ACGIH		123			Pelle
	OEL	EU	100			Pelle

- 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	Colored viscous liquid
Solubility in solvents	Soluble
Solubility in water	Insoluble
Volatile substances % by volume (solvents)	70,00%
Hazardous reactions	Vapours mixed with air can create explosive mix
Viscosity	At 20 °C > 180" FC 4 mm (DIN 53211)
Vapour density	2
Evaporation speed	> 1
Comburent properties	N/A
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	> 120°C
Flash point	25°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	At 20 °C 1,383 ± 0,003 Kg/l
VOC (directive 2004/42/CE)	45 % - 495 g/l

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**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. The xylene present is stable but may give violent reactions if placed in contact with strong oxidants such as nitric acid, sulfuric acid, perchlorates and similar agents. It is biodegradable in water and decomposes in the sunlight (photodegradable). Ethylbenzene: it reacts violently with strong oxidizing agents and attacks different types of plastic material. It is readily biodegradable in water.

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

**12. ECOLOGICAL INFORMATION**

This product is dangerous for the environment and the aquatic organisms. In the long term, it may even have negative effects on the aquatic environment.

**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**

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: 1263  
Label: 3  
Nr. Kemler: 30  
Proper Shipping Name: Paint or paint related material.  
Special Provision: 640E

**Carriage by sea (shipping):**

IMO class: 3 UN:1263, Marine Pollutant  
Packing Group: III  
EMS: F-E, S-E

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Proper Shipping Name:

Paint or paint related material.

**Transport by air:**

IATA:

3 UN:1263

Packing Group:

III

Special provision:

A3, A72

Label:

3

Cargo:

Packaging instructions:

310 Maximum quantity: 220 L

Pass.:

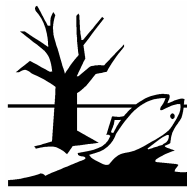
Packaging instructions:

309 Maximum quantity: 60 L

Limited quantity:

Packaging instructions:

Y309 Maximum quantity: 10 L

**15. REGULATORY INFORMATION****Health hazard symbol****Xi IRRITANT**

R10

R37

R51/53

S23

S26

S38

S51

S61

**N DANGEROUS FOR THE ENVIRONMENT**

FLAMMABLE.

IRRITATING TO RESPIRATORY SYSTEM.

TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG –  
TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.  
DO NOT BREATHE VAPOURS.IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY  
WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE  
RESPIRATORY EQUIPMENT.

USE ONLY IN WELL – VENTILATED AREAS.

AVOID RELEASE TO THE ENVIRONMENT. REFER TO  
SPECIAL INSTRUCTION/SAFETY DATA SHEETS.

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)

**DIRECTIVE 2004/42/EC****One-pack performance coatings (SB)**

EU limit value (A/i): 600 g/l (2007); 500 g/l (2010)

This product contains at maximum: **495 g/l of VOC**



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**16. FURTHER INFORMATIONS**

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

R10	FLAMMABLE.
R11	HIGHLY FLAMMABLE.
R20	HARMFUL BY INHALATION.
R20/21	HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.
R36/37/38	IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
R37	IRRITATING TO EYES.
R38	IRRITATING TO SKIN.
R50/53	VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
R65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

**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