

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°: 41/P/RI
Product name: **RIALTO ISOCAL**
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 Isocal.

1.2 Use of the substance/preparation:

Intended use: Rialto Isocal is a water repellent anti-salts siloxane based primer.
Chemical name and synonym: It is a transparent, single-can solution based on oligomeric organo - siloxane and solvents.

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 compound is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments (directive 2006/8/EC and regulation 1907/EC). This compound requires a safety data sheet according to the regulation 1907/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 - 65

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: may cause lung damage if swallowed.

03. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Concentr.(C)	Classification
NAPHTHA (PETROL.) HYDROTREATED HEAVY N°Cas 64742-48-9 N°CE 265-150-3 N°Index 649-327-00-6	90 - 95 %	R10 Xn R65 Nota P4
METHANOL N°Cas 67 – 56 - 1 N°CE 200 – 659 - 6 N°Index 603 – 001 – 00 - X	0,10 – 0,15	T R23/24/25 T R39/23/24/25 F R11

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.

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°: 41/P/RI
Product name: **RIALTO ISOCAL**
Revision nr. 6 dated: 01.10.2008

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

Closed containers exposed to heat may lead to pressure rise and explode. For information regarding environmental risks, refer to section 12 of this sheet. Extinguishing measures: carbon anhydride, foam, water if not otherwise specified on the containers. Individual protective equipment: equipment complete with helmet and face shield and protection of the neck, insulative jacket and trousers, with bands around the arms, legs and waist and selfbreathing apparatus.

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. Kept 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/m ³	ACGIH
METHANOL			
TLV – TWA	262	mg/m ³	ACGIH
TLV - STEL	328	mg/m ³	ACGIH

* The data refer to the substance and not to the mixture.

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 overalls.





Manufactured by: HARPO spa – **Rialto** division 34123 Trieste - Italy
Tech. Sheet N°: 41/P/RI
Product name: **RIALTO ISOCAL**
Revision nr. 6 dated: 01.10.2008

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

Colour	Colourless
Odour	White spirit
Physical appearance	Colourless liquid
Solubility in solvents	Soluble
Solubility in water	Insoluble
Volatile substances % by volume (solvents)	95,00%
Viscosity	30 ± 10 mPas
Vapour density	N.D.
Evaporation speed	> 1
Comburent properties	N.D.
Partition coefficient: n-octanol/water	N.D.
pH	N.D.
Boiling point	> 150 °C
Flash point	35 °C
Explosive properties	N.D.
Vapour pressure	N.D.
Specific gravity	0,80 ± 0,01 Kg/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

The introduction of even small quantities of this liquid into the respiratory system during ingestion or vomit may cause bronchopneumonia and pulmonary edema. Toluene: it has a toxic effect on the central and peripheral nervous system (with encephalopathies and polyneuritis). 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 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.

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°: 41/P/RI
Product name: **RIALTO ISOCAL**
Revision nr. 6 dated: 01.10.2008

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)



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:
Packaging instructions: Y309 Maximum quantity: 10 L



15. REGULATORY INFORMATION



Xn

R10
R65
S13

S23
S36/37

HARMFUL

FLAMMABLE.
HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
DO NOT BREATHE VAPOURS.
WEAR SUITABLE CLOTHING AND GLOVES.

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°: 41/P/RI
Product name: **RIALTO ISOCAL**
Revision nr. 6 dated: 01.10.2008

R10 FLAMMABLE.
S43 IN CASE OF FIRE, USE CO₂, CHEMICAL POWDER, AFFF.
S62 IF SWALLOWED, DO NOT INDUCE VOMITING: SEEK MEDICAL
ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR
LABEL.

Contains:
NAPHTHA (PETROL.) HYDROTREATED HEAVY – cas 64742 – 48 - 9

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).

16. **FURTHER INFORMATIONS**

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

R10 FLAMMABLE.
R11 HIGHLY FLAMMABLE.
R23/24/25 TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF
SWALLOWED.
R39/23/24/25 TOXIC: DANGER OF VERY SERIOUS IRREVERSIBLE EFFECTS
THROUGH INHALATION, IN CONTACT WITH SKIN AND IF
SWALLOWED.
R65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. 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 / 08 / 09 / 11 / 15 / 16