

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°: 80/P/RI
Product name: **RIALTO IDROSVERNICIATORE H315**
Revision nr. 3 dated: 01.10.2008

01. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

1.1 Identification of the substance or preparation:

Product name: Rialto Idrosverniciatore H315.

1.2 Use of the substance/preparation:

Intended use: Rialto Idrosverniciatore H315 is used to remove paint, plastic covering and varnishes.
Paint remover.

Chemical name and synonym:

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)

03. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Concentr.(C)	Classification
N-METHYL-2-PYRROLIDINONE	10,00 - 20,00 %	Xi R36/38
N°Cas 872-50-4		
N°CE 212-828-1		
N°Index 606-021-00-7		

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

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 Symbol: Xi

Phrases R:

36 - 38

2.2 Danger identification.

IRRITATING TO EYES.

IRRITATING TO SKIN.

The product is stable in normal conditions of use and storage.

Repeated exposure may cause sensitization.

In case of ignition the product may result flammable (T > 57°C).

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.

Manufactured by: HARPO spa – **Rialto** division 34123 Trieste (Italy)
Tech. Sheet N°: 80/P/RI
Product name: **RIALTO IDROSVERNICIATORE H315**
Revision nr. 3 dated: 01.10.2008



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

Extinguishing measures: CO₂, foam, AFFF, chemical powder, nebulized water. Do not use water jet. In case of fire toxic gases can get rid (use a suitable respiratory protection). Dispose of according to local regulations.

06. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Use protective equipment. 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.

07. HANDLING AND STORAGE

Store the containers sealed and in a wellventilated place. Do not smoke, use matches or lighters. Avoid contact with eyes and skin. Use in a well-ventilated area.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values:

N-METHYL-2-PIRROLYDONE

- TLV TWA 80 mg/m³

* 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. 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	characteristic
Odour	paste
Solubility in organic solvents	Miscible
Solubility in water	partially miscible
Volatile substances % by volume (solvents)	N.A.
Viscosity	N.D.
Vapour density	N.D.
Evaporation speed	N.D.
Comburent properties	N.D.
Partition coefficient: n-octanol/water	N.D.
pH	N.D.
Boiling point	ca. 160°C
Flash point	ca. 60 °C
Ignition temperature	N.D.
Explosive properties	N.D.
Specific gravity	c.a. 1,020 Kg/l

Manufactured by: HARPO spa – **Rialto** division 34123 Trieste (Italy)
Tech. Sheet N°: 80/P/RI
Product name: **RIALTO IDROSVERNICIATORE H315**
Revision nr. 3 dated: 01.10.2008



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. N-methyl-2-pyrrolidone is stable up to 315 °C in inert atmosphere. In the presence of air, it slowly oxidizes to form hydroperoxides.

11. TOXICOLOGICAL INFORMATION

Acute effects: contact with skin may cause irritation, erythema, edema, dryness and chapped skin. Contact with eyes may cause slight irritation. Vapour inhalation may slightly irritate the upper respiratory tract. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness N-methyl-2-pyrrolidone: no acute or chronic cases of intoxication or sensitization have been reported. On healthy volunteers, repeated skin applications caused modest and transient erythema.

LD50 oral (rat): > 4000 mg/kg

LD50 skin (rabbit): > 2000 mg/kg

LC50 inhalation (rat): 4000 mg/kg

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

Dispose of according to local regulations. Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the product.

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

Health hazard symbol



Xi

IRRITANT

R36

IRRITATING TO EYES.

R38

IRRITATING TO SKIN.

S2

KEEP OUT OF REACH OF CHILDREN.

S26

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S28

IN CASE OF CONTACT WITH SKIN, WASH IMMEDIATELY WITH WATER AND SOAP

S36/37/39

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

Contains N-METHYL-2-PYRROLIDINONE.

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°: 80/P/RI
Product name: **RIALTO IDROSVERNICIATORE H315**
Revision nr. 3 dated: 01.10.2008



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.

R36 IRRITATING TO EYES.
R38 IRRITATING TO SKIN.

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;
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 / 08 / 09 / 11 / 15 / 16