



Manufactured by: HARPO spa – **Rialto** division 34123 Trieste - Italy  
Tech. Sheet N°: 19B/M/RI  
Product name: **RIALTO SX 5911**  
Revision nr. 7 dated: 01.10.2008

## 01. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

### 1.1 Identification of the substance or preparation:

**Product name:** Rialto SX 5911.

### 1.2 Use of the substance/preparation:

**Intended use:** This product is a broad – spectrum sanitising solution against moulds, algae and lichens.

**Chemical name and synonym:** It is based on isotiazolynone derivates.

### 1.3 Company Identification:

**Name:** HARPO spa.

**Full address:** Via Torino, 34

34123 - Trieste, Italy,  
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. Renzi – 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 Symbol:** Xi, N

### Phrases R:

43 – 51/53

### Danger identification.

MAY CAUSE SENSITIZATION BY SKIN CONTACT.

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

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Concentr.(C)	Classification
2-OCTYL-2H-ISOTHIAZOL-3-ONE	0,1 – 0,20 %	T R23/24 C R34 Xn R22
N°Cas 26530 - 20-1		
N°CE 247-761-7		
N°Index 613-112-00-5		
DIETHYLENE GLYCOL	3,0 – 4,0 %	Xi R43 N R50/53
N°Cas 111 - 46 - 6		
N°CE 203 – 872 - 2		
N°Index 603 – 140 – 00 - 6		
FORMALDEHYDE	0,25 – 0,60 %	T R23/24/25 C R34 Xn R40
N°Cas 50-00-0		



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CONDENSATION PRODUCT OF UREA AND FORMALDEHYDE	0,10 – 1,0	Xi R37, 43 Carc. Cat. 3 Xn R20/21 XI R37/38, 41, 43
5-chloro-2-methyl-2H-isothiazol-3-one /2-methyl-2H-isothiazol-3-one (3 :1)	0,0015 – 0,09%	T R23/24/25
N°Cas 55965-84-9		C R 34
N°Index 613-167-00-5		Xi R 43 N R 50/53

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**

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.

#### 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**

Store in a wellventilated 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:

FORMALDEHYDE, TLV-ACGIH CEILING – TWA/8h 0,37(c) mg/m<sup>3</sup>

##### 8.2 Exposure controls:

Follow the good industrial hygiene practices adopting suitable individual protective measures such as masks, safety goggles, impermeable gloves and overalls:

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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	Weak
Physical appearance	Liquid
Solubility in solvents	Partially soluble
Solubility in water	Emulsionable
Viscosity	ca. 4 mPas
Vapour density	N.D.
Evaporation speed	1
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.D.
pH	N.D.
Boiling point	> 150 °C
Flash point	N.A.
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	c.a. 0,98 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**

Acute effects: ingestion of this product is harmful. Even small amounts of product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea, etc.). This product may slightly irritate mucosas, the upper respiratory tract, eyes, and skin. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness. Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include erythemas, edemas, papules, vescicles, pustules, scurves, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Scurfy skin, dryness, ulcerations and skin thickening prevail during the acute phase.

### **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

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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: 9,III UN:3082  
Label: 9  
Nr. Kemler: 90  
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S  
(2-OCTYL-2H-ISOTHIAZOL-3-ONE)  
Disposizione speciale: -



**Carriage by sea (shipping):**

IMO class: 9 UN:3082, Marine Pollutant  
Packing Group: III  
EMS: S-A, S-F  
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S  
(2-OCTYL-2H-ISOTHIAZOL-3-ONE)



**Transport by air:**

IATA: 9 UN:3082  
Packing Group: III  
Label: 9  
Cargo:  
Packaging instructions: 914 Maximum quantity: 450 L  
Pass.:  
Packaging instructions: 914 Maximum quantity: 450 L  
Limited quantity:  
Packaging instructions: Y914 Maximum quantity: 30 kg G  
Special disposal: A97 G



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## 15. REGULATORY INFORMATION



**Xi**

**IRRITANT**

R36/38  
R43  
R51/53

IRRITATING TO EYES AND TO SKIN.  
MAY CAUSE SENSITIZATION BY SKIN CONTACT.  
TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

S2  
S29  
S36/37/39

KEEP OUT OF REACH OF CHILDREN.  
DO NOT EMPTY INTO DRAINS.  
WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES AND EYES/FACE PROTECTION.

S60

THIS MATERIAL AND/OR ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE.

Contains:

2-OCTYL-2H-ISOTHIAZOL-3-ONE, formaldehyde, Condensation product of urea and formaldehyde and diethylene glycol, 5-chloro-2-methyl-2H-isothiazol-3-one /2-methyl-2H-isothiazol-3-one (3 :1)

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

## 16. FURTHER INFORMATIONS

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

R34  
R22  
R23/24  
R23/24/25

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

R34  
R37  
R40  
R43  
R50/53

CAUSES BURNS.  
IRRITATING TO RESPIRATORY SYSTEM  
POSSIBLE RISK OF IRREVERSIBLE EFFECTS.  
MAY CAUSE SENSITIZATION BY SKIN CONTACT.  
VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

## GENERAL BIBLIOGRAPHY

1. Directive 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;

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

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- 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 / 09 / 11 / 12 / 14 / 15 / 16