

# HYDRODYNAMICS INTERNATIONAL

## SAFETY DATA SHEET

According to 1907/2006/EC, article 31 (REACH), according to Directive 67/548/EEC (DSD)  
and according to 1272/2008/EC (CLP)

## EUROPONIC Rockwool Conditioning Solution

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	EUROPONIC Rockwool Conditioning Solution
SYNONYMS, TRADE NAMES	Rockwool Conditioning Solution RCS
SUPPLIER	Hydrodynamics International 5711 Enterprise Dr. Lansing, MI 48911 USA Phone 517-887-2007 Fax 517-887-2008 <a href="mailto:info@hydrodynamicsintl.com">info@hydrodynamicsintl.com</a>
EMERGENCY TELEPHONE	517-887-2007 (office hours only)

### 2 HAZARDS IDENTIFICATION

Europonic Rockwool Conditioning Solution is a concentrated solution of supplementary mineral nutrients for plants in various growing systems. May cause irritation of eye and skin.

#### CLASSIFICATION

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC-No	CAS-No	Content	Classification
mineral salts trace elements (mostly as chelates)				
water			circa 95%	

The Full Text for all R-Phrases are Displayed in Section 16

#### COMPOSITION COMMENTS

The Data shown are in accordance with the latest EC Directives

#### DISCLAIMER

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#### **4 FIRST-AID MEASURES**

##### **INGESTION**

If the person affected is conscious, have them drink large quantities of water. Never give anything by mouth to an unconscious person.

If vomiting seek immediate medical assistance.

##### **SKIN CONTACT**

Remove contaminated clothing and wash skin with plenty of running water.

##### **EYE CONTACT**

Rinse immediately eye with plenty of low pressure water for at least 15 minutes.

Remove any contact lenses.

#### **5 FIRE-FIGHTING MEASURES**

##### **EXTINGUISHING MEDIA**

The product is non combustible.

To extinguish fire use water spray, dry chemical, carbon dioxide, or chemical foam.

##### **SPECIAL FIRE FIGHTING PROCEDURES**

None.

##### **UNUSUAL FIRE & EXPLOSION HAZARDS**

None.

##### **SPECIFIC HAZARDS**

None.

##### **PROTECTIVE MEASURES IN FIRE**

Wear full protective clothing and MSHA/NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

#### **6 ACCIDENTAL RELEASE MEASURES**

##### **PERSONAL PRECAUTIONS**

See section 8.

##### **ENVIRONMENTAL PRECAUTIONS**

Take precautionary measures against discharges into the environment, since solutions of plant nutrients can be damaging to the environment in their concentrated form, for instance by polluting streams and water courses.

##### **SPILL CLEAN UP METHODS**

Sweep up or absorb spilled material.

#### **7 HANDLING AND STORAGE**

##### **USAGE PRECAUTIONS**

Avoid contact with eyes or skin.

Wash thoroughly after handling and before eating, drinking or smoking.

##### **STORAGE PRECAUTIONS**

None.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT

Protective gloves and safety goggles

### RESPIRATORY EQUIPMENT

Not applicable

### HAND PROTECTION

Protective gloves should be used if there is the risk of direct contact or splash.

### EYE PROTECTION

Wear approved safety goggles.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, drinking, smoking or using the toilet.

### SKIN PROTECTION

Wear protective clothing in case of danger of contact.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	aqueous and odorless liquid
COLOR	yellow
BOILING POINT	about 100 degrees Celsius
SPECIFIC GRAVITY	1.1
pH – VALUE	5.00
CONDUCTIVITY	454 mS/cm

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### MATERIALS TO AVOID

None

### HAZARDOUS DECOMPOSITION PRODUCTS

None

## 11 TOXICOLOGICAL INFORMATION

### GENERAL

None

### INGESTION

May cause irritation of the digestive tract.

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**SKIN CONTACT**

May cause irritation.

**EYE CONTACT**

May cause irritation.

**12 ECOLOGICAL INFORMATION**

**ECO-TOXICITY**

Take precautionary measures against discharges into the environment, since solutions of plant nutrients can be damaging to the environment in their concentrated form, for instance by polluting streams and water courses.

**WATER HAZARD CLASSIFICATION**

None.

**13 DISPOSAL CONSIDERATIONS**

**GENERAL INFORMATION**

Place into a suitable closed container for disposal.

**DISPOSAL METHODS**

Dispose of in accordance with local and national regulations.

**14 TRANSPORT INFORMATION**

**GENERAL**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

**15 REGULATORY INFORMATION**

**LABELLING**                      none

**CONTAINS**

**SAFETY PHRASES (DSD)**

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37	Wear suitable protective clothing and gloves
S45	In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

**PRECAUTIONARY STATEMENTS (CLP)**

P305+351+338+313	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical advice / attention
P307+P312	If exposed: call a POISON CENTRE or doctor/physician if you feel unwell
P281	Use personal protective equipment as required

**UK REGULATORY REFERENCES**

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988. Health and Safety at Work Act 1974.

**ENVIRONMENTAL LISTING**

Control of Pollution Act 1974.

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#### EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

#### STATUTORY INSTRUMENTS

Notification of New Substances Regulations (NONS) 1993. The Export and Import of Dangerous Chemicals Regulations 2005 number 928.

#### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply (EU 2001/59/EC). Safety Data Sheets for Substances and Preparations (REACH)

#### GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

#### NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

Workplace Exposure Limits 2005 (EH40).

The Carriage of Dangerous Goods and use of transportable pressure equipment regulations 2004.

Control of Substances hazardous to health regulations 2002 (as amended).

### 16 OTHER INFORMATION

ISSUED BY                      HS&E Manager

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