

# GROWTH TECHNOLOGY LTD

## SAFETY DATA SHEET

According to 1907/2006/EC, article 31 (REACH)

### IONIC

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

PRODUCT NAME	IONIC - Single Pack Nutrient Solution for Hydroponics
SYNONYMS, TRADE NAMES	Ionic Grow Ionic Bloom Ionic HW Grow (for Hard Water areas) Ionic HW Bloom (for Hard Water areas) Ionic Boost
SUPPLIER	Growth Technology Ltd. Unit 66, Taunton Trading Estate Taunton TA2 6RX United Kingdom Phone +44 1823 325291 Fax +44 1823 325487 info@growthtechnology.com
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#### 2 HAZARDS IDENTIFICATION

Ionic is a concentrated solution of mineral nutrients for plants in hydroponic growing systems. It contains less than 5% w/v nitric acid.

May cause irritation of eye and skin due to the presence of nitric acid and low pH.

#### CLASSIFICATION

Nitric acid is classified as an oxidising and corrosive strong acid, but is in this product only present in a diluted form.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC-No	CAS-No	Content	Classification
nitric acid	231-714-2	7697-37-2	<5%	
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

#### 1

#### 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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REVISION DATE: 14/02/2008

#### EYE CONTACT

May cause irritation.

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICITY

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

nitric acid

#### SAFETY PHRASES

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)

#### 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.

#### 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.

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**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

REVISION DATE:              14/02/2008

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